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OFFICIAL REGISTER OF
HARVARD UNIVERSITY
VOL. XLVII NOVEMBER, 1950 NO. 27

THE HARVARD MEDICAL SCHOOL

AND

SCHOOL OF DENTAL MEDICINE

25 SHATTUCK STREET
BOSTON · MASSACHUSETTS

1948–49 and 1949–50
WITH AN ANNOUNCEMENT FOR 1950–51

PUBLISHED BY HARVARD UNIVERSITY

OFFICIAL REGISTER OF HARVARD UNIVERSITY

PUBLICATION OFFICE, STRAUS HALL, CAMBRIDGE, MASS.

[*Entered March 6, 1913, at Boston, Mass., as second-class matter, under Act of Congress of August 24, 1912*]

Issued at Cambridge Station, Boston, Mass., eight times quarterly.

These publications include the reports of the president and of the treasurer; the general catalogue issue; the announcements of the College and the several professional schools of the University; the courses of instruction; the pamphlets of the several departments; and the like.

PRINTED IN THE UNITED STATES OF AMERICA
BY THE HARVARD UNIVERSITY PRINTING OFFICE

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Dr. Walter Willard Boyd

ANNOUNCEMENT

OF THE

HARVARD MEDICAL SCHOOL

AND

SCHOOL OF DENTAL MEDICINE

25 SHATTUCK STREET
BOSTON · MASSACHUSETTS

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HARVARD MEDICAL SCHOOL

AND THE

HARVARD SCHOOL OF DENTAL MEDICINE

CALENDAR

Academic Calendar for 1948–1949

Monday,	*June 7*	Summer courses begin for fourth year class.
Monday,	*July 5*	Independence Day: a holiday.
Monday,	*September 6*	Labor Day: a holiday.
Saturday,	*September 25*	Registration of Class of 1952.
Monday,	*September 27*	Registration of second and third year classes. *Academic Year* begins for first, second, and third year classes.
Thursday,	*September 30*	Registration for fourth year class.
Friday,	*October 1*	*Academic Year* begins for fourth year class.
Tuesday,	*October 12*	Columbus Day: a holiday.
Thursday,	*November 11*	Armistice Day: a holiday.
Thursday,	*November 25*	Thanksgiving Day: a holiday.
Monday,	*December 13*	*Second Trimester* begins for third year class.
December 19, 1948–January 2, 1949		RECESS for first, second, and third year classes.
Monday,	*January 31*	*Second half year* begins for first and second year classes.
Tuesday,	*February 22*	Washington's Birthday: a holiday.
Monday,	*March 7*	*Third Trimester* begins for third year class.
Friday,	*April 1*	Last day for filing applications for the degree of M.D. in June 1949.
April 10–19		RECESS for second, and third year classes.
April 17–24		RECESS for first year class.
Tuesday,	*April 19*	Patriot's Day: a holiday.
Saturday,	*May 14*	Last day for filing applications for Scholarships for 1949–1950.
Monday,	*May 30*	Memorial Day: a holiday.
May 31–June 4		Examination Period.
Thursday,	*June 23*	Commencement.

Summer Vacation from June 5, 1949 through September 25, 1949.

Academic Calendar for 1949–1950

Monday,	*June 6*	Summer courses begin for fourth year class.
Monday,	*July 4*	Independence Day: a holiday.
Monday,	*September 5*	Labor Day: a holiday.
Friday,	*September 23*	Registration of Class of 1953.
Monday,	*September 26*	Registration of second and third year classes. *Academic Year* begins for first, second, and third year classes.
Friday,	*September 30*	Registration of fourth year class.
Saturday,	*October 1*	*Academic Year* begins for fourth year class.
Wednesday,	*October 12*	Columbus Day: a holiday.
Friday,	*November 11*	Armistice Day: a holiday.
Thursday,	*November 24*	Thanksgiving Day: a holiday.
Monday,	*December 12*	*Second Trimester* begins for third year class.
December 23, 1949–January 4, 1950		RECESS for first, second, and third year classes.
Monday,	*January 30*	*Second half year* begins for first and second year classes.
Wednesday,	*February 22*	Washington's Birthday: a holiday.
Thursday,	*March 9*	*Third Trimester* begins for third year class.
Saturday,	*April 1*	Last day for filing applications for the degree of M.D. in June 1950.
April 9–16		RECESS for second year class.
April 16–23		RECESS for first and third year classes.
Saturday,	*April 15*	Last day for filing applications for Scholarships for 1950–1951.
Wednesday,	*April 19*	Patriot's Day: a holiday.
May 29–June 3		Examination Period.
Tuesday,	*May 30*	Memorial Day: a holiday.
Thursday,	*June 22*	Commencement.

Summer Vacation from June 4 through September 24, 1950.

Academic Calendar for 1950–1951

Monday,	*June 5*	Summer courses begin for fourth year class.
Tuesday,	*July 4*	Independence Day: a holiday.
Monday,	*September 4*	Labor Day: a holiday.
Friday,	*September 22*	Registration of Class of 1954.
Monday,	*September 25*	Registration of second and third year classes. *Academic Year* begins for first, second and third year classes.
Friday,	*September 29*	Registration of fourth year class.
Monday,	*October 2*	*Academic Year* begins for fourth year class.

Thursday,	*October 12*	Columbus Day: a holiday.
Saturday,	*November 11*	Armistice Day: a holiday.
Thursday,	*November 23*	Thanksgiving Day: a holiday.
Monday,	*December 11*	*Second Trimester* begins for third year class.
Friday,	*December 15*	Last day for filing applications for Scholarships for 1951–1952.
December 22, 1950–January 3, 1951		RECESS for first, second and third year classes.
Monday,	*January 29*	*Second half year* begins for first and second year classes.
Thursday,	*February 22*	Washington's Birthday: a holiday.
Thursday,	*March 8*	*Third Trimester* begins for third year class.
Monday,	*April 2*	Last day for filing applications for the degree of M.D. in June 1951.
April 8–15		RECESS for second year class.
Saturday,	*April 14*	Class of 1955, — last day for filing applications for Scholarships for 1951–1952.
April 15–22		RECESS for first and third year classes.
Thursday,	*April 19*	Patriot's Day: a holiday.
May 28–June 2		Examination Period.
Wednesday,	*May 30*	Memorial Day: a holiday.
Thursday,	*June 21*	Commencement.

Summer Vacation from June 3 through September 23, 1951

THE PRESIDENT AND FELLOWS OF HARVARD COLLEGE

This Board is commonly known as the Corporation

PRESIDENT

JAMES BRYANT CONANT, A.B., Ph.D., LL.D., S.D. (hon.), L.H.D., D.C.L., D.Sc. (hon.), Dr. (hon.), Litt.D.

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ROGER IRVING LEE, A.B., M.D.
GRENVILLE CLARK, A.B., LL.B.
CHARLES ALLERTON COOLIDGE, A.B., LL.B.
WILLIAM LUKE MARBURY, A.B., LL.B.

TREASURER

PAUL CODMAN CABOT, A.B., M.B.A.

SECRETARY TO THE CORPORATION

DAVID WASHBURN BAILEY, A.B.

THE BOARD OF OVERSEERS

The President and the Treasurer of the University, *ex officio*, and the following persons by election: —

1948 *

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CLARENCE COOK LITTLE, A.B., S.M., Sc.D., LL.D., Litt.D.
FREDERICK LEWIS ALLEN, A.M.
RICHARD CARY CURTIS, A.B., LL.B.
GEORGE BARRY BINGHAM, A.B.

1949

JOSEPH CLARK GREW, A.B., LL.D.
ROGER DEARBORN LAPHAM, A.B.
RALPH LOWELL, A.B.
LEVERETT SALTONSTALL, A.B., LL.B., LL.D.
CHARLES EDWARD WYZANSKI, Jr., A.B., LL.B.

1950

JEROME DAVIS GREENE, A.M., LL.D.
WALTER SHERMAN GIFFORD, A.B., LL.D., D.S.C., D.C.L.
JOHN COWLES, A.B., LL.D.
CHARLES CODMAN CABOT, A.B., LL.B.
WALTER DUMAUX EDMONDS, A.B., Litt.D.

1951

EDWARD WALDO FORBES, A.B., A.M., Art.D., LL.D.
WILLIAM McNEAR RAND, A.B.
CHARLES MOORFIELD STOREY, A.B., A.M., LL.B.
THOMAS STILWELL LAMONT, A.B.
EDWARD AUGUSTUS WEEKS, Jr., S.B., Litt.D.

1952

EDWARD BELL KRUMBHAAR, A.B., M.D., Ph.D.
HANFORD MacNIDER, A.B., M.M.S., LL.D.
HENRY WADSWORTH CLARK, A.B., A.M.
LAWRENCE COOLIDGE, A.B., LL.B.
WILLIAM GURDON SALTONSTALL, A.B., A.M.

* The term expires, in each case, on Commencement Day of the year indicated.

1953

GEORGE WHITNEY, A.B.
GEORGE PARKMAN DENNY, A.B., M.D.
CLARENCE BELDEN RANDALL, A.B., LL.B.
ROBERT ELLSWORTH GROSS, A.B.
AMORY HOUGHTON, A.B.

1954

LAIRD BELL, A.B., J.D.
ISAIAH BOWMAN, S.B., Ph.D., A.M., M.Ed., Sc.D., LL.D.
SINCLAIR WEEKS, A.B.
JOHN NICHOLAS BROWN, A.B., A.M.
JAMES LAURENCE POOL, A.B., M.D., D.M.S.

SECRETARY OF THE BOARD OF OVERSEERS

DAVID WASHBURN BAILEY, A.B. 25 Massachusetts Hall, Cambridge

ADMINISTRATIVE OFFICERS OF THE MEDICAL SCHOOL AND SCHOOL OF DENTAL MEDICINE

President: James B. Conant, A.B., Ph.D., LL.D., S.D. (hon.), L.H.D., D.C.L., D.Sc. (hon.), Dr. (hon.), Litt.D.
Office, 1 Massachusetts Hall, Cambridge.

Dean: C. Sidney Burwell, M.D., LL.D., S.D. (hon.) (through June 1949).
Office, Administration Building, Medical School.

Dean: George Packer Berry, M.D., LL.D., S.D. (hon.) (July 1, 1949).
Office, Administration Building, Medical School.

Associate Dean and Dean of School of Dental Medicine: James M. Dunning, D.D.S., M.P.H.
Office, Administration Building, Medical School.

Assistant Dean: Reginald Fitz, M.D., S.D., LL.D.
Office, Administration Building, Medical School.

Business Manager in the Medical Area: Charles W. Greenough, A.B.
Office, Administration Building, Medical School.

Chairman of the Division of Medical Sciences of the Faculty of Arts and Sciences: Edwin J. Cohn, Ph.D., S.D. (hon.), M.D. (hon.), Harvard Medical School (through June 1949). Eugene Markley Landis, M.D., Ph.D., S.M. (hon.) (July 1, 1950).

Physician to Students: Myles P. Baker, M.D. (through June, 1949). Lewis Tillman McDaniel, M.D. (July 1, 1949).
Office hours, daily, except Saturdays and holidays, 8.15 to 9 A.M., and 4 to 5.30 P.M., Vanderbilt Hall, 251 Longwood Avenue. Telephone, Longwood 6–2380.

The Bursar's Office is in Lehman Hall, Cambridge. It is open on all business days from 9 A.M. to 5 P.M., except Saturdays, when it is open from 9 A.M. to 1 P.M., for the receipt of fees, payments, and other financial business.

ADMINISTRATIVE BOARD OF THE MEDICAL SCHOOL AND SCHOOL OF DENTAL MEDICINE

1948–1949

President: JAMES B. CONANT, A.B., Ph.D., LL.D., S.D. (hon.), L.H.D., D.C.L., D.Sc. (hon.), Dr. (hon.), Litt.D. (*ex officio*).

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OTTO KRAYER, M.D., *Associate Professor of Comparative Pharmacology.*
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ALAN R. MORITZ, M.D., *Frances Glessner Lee Professor of Legal Medicine.*
GEORGE W. THORN, M.D., *Hersey Professor of the Theory and Practice of Physic.*

1949–1950

President: JAMES B. CONANT, A.B., Ph.D., LL.D., S.D. (hon.), L.H.D., D.C.L., D.Sc. (hon.), Dr. (hon.), Litt.D. (*ex officio*).
Dean: GEORGE PACKER BERRY, M.D., LL.D., S.D. (hon.), *Chairman.*
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ROBERT E. GROSS, M.D., *William E. Ladd Professor of Child Surgery.*
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OTTO KRAYER, M.D., *Associate Professor of Comparative Pharmacology.*
EUGENE M. LANDIS, M.D., Ph.D., S.M. (hon.), *George Higginson Professor of Physiology.*
FRANCIS D. MOORE, M.D., *Moseley Professor of Surgery.*

REIDAR F. SOGNNAES, L.D.S., *Associate Professor of Dental Medicine.*

GEORGE W. THORN, M.D., *Hersey Professor of the Theory and Practice of Physic.*

SHIELDS WARREN, M.D., *Professor of Pathology at the New England Deaconess Hospital.*

HARVARD MEDICAL SCHOOL
BOSTON

HISTORY AND ORGANIZATION

The Harvard Medical School started as a branch of the University in 1782, when three professorships of medicine were established. The first degrees, Bachelor of Medicine, were conferred in 1788. Until 1811 the degrees of Bachelor of Medicine and Doctor of Medicine were conferred, the former on graduation from the Medical School, the latter on examination at least seven years after graduation. In 1811 the degree of Doctor of Medicine was granted to graduates of that year and to earlier graduates who had not been admitted to it, and all graduates since 1811 have received this degree. From 1911 to 1921, inclusive, the degree of Doctor of Public Health was conferred for graduate work. Since 1921 the degrees of Bachelor of Public Health, Master of Public Health and Doctor of Public Health have been conferred under the School of Public Health.

When the Medical School opened, the first lectures were given in the buildings of the College, Harvard Hall and Holden Chapel. The School moved to Boston in 1810, in order to be close to whatever hospital facilities might develop in a large and growing city, and has remained there since. In 1816 the first Medical School building was erected. From 1882 until 1906 the School occupied the building at the corner of Boylston and Exeter Streets now used by Boston University. In September 1906, the School moved into its present buildings on Longwood Avenue and Shattuck Street. They are five in number and with their surrounding grounds occupy eleven acres. One of these is designed for administration and four for housing the laboratory departments, and for laboratory and clinical instruction.

Previous to 1906, the major part of the clinical teaching was carried on in the Massachusetts General and Boston City Hospitals. Since that date, however, there has grown up in the neighborhood of the Medical School, and become affiliated with it, a group of hospitals which are used for clinical teaching and investigation, in addition to the clinical facilities previously at the School's disposal. Clinical advantages from the student viewpoint are not a matter of large hospitals only, but rather are related to the number of patients in these hospitals who are under the care of instructors on the staff of the Medical School and available for teaching purposes. Harvard Medical School students are offered an unrivaled opportunity to secure a well-organized clinical experience and knowledge of disease. Each student comes into intimate contact, under supervision, with patients in these hospitals, beginning in the second half of the second year and increasing until the

A
B
C
D
E
F

fourth year, when the students serve as clinical clerks and give their whole time to the study of patients.

BUILDINGS

The Administration Building (A), with over 40,000 square feet of floor space, contains the Faculty Room, the Deans' Offices of the Medical School and School of Dental Medicine, the Alumni Office, the Courses for Graduates Office, the Business Office, the joint library of the Medical School and the School of Public Health, and the Warren Museum.

The laboratory buildings, designated by the letters B, C, D, and E, are all constructed on the same general plan. Each consists of two parallel wings united at the front by an amphitheatre with a seating capacity of two hundred and fifty. Both the smaller rooms and the laboratories are designed on a unit system which greatly simplifies the changes required in making these suited to the needs of departments whose methods of teaching have changed since the rooms were originally designed.

The amount of floor space varies considerably in each of the four buildings, but the design is such that this variation is not apparent from the main quadrangle.

Building B accommodates the Department of Anatomy, Histology, and Embryology. The wings each have three floors and a total floor space of over 52,000 square feet.

Building C provides space for the Departments of Physiology, Physical Chemistry, Biochemistry, and Experimental Surgery. In this building each wing has four floors and a total floor space of 62,000 square feet.

Building D is occupied by the Departments of Bacteriology, Biophysics, Pathology, Preventive Medicine and also laboratories of the Department of Medicine. In this building there are five floors in one wing and three floors in the other, with a total floor space of over 48,000 square feet. There are animal houses between Buildings B and D and between Buildings C and E.

Building E houses Pharmacology, Legal Medicine, and Comparative Pathology *and* Tropical Medicine. There are three floors in one wing and four floors in the other, with a floor space of 35,000 square feet.

An airplane view of the buildings and their position is shown on facing page.

The clinical departments are housed in the various hospitals associated with the School. Vanderbilt Hall (F), the dormitory for male medical students, is immediately adjacent to the Medical School buildings.

HOSPITAL FACILITIES

The Massachusetts General Hospital. — This is a general hospital founded in 1811 and ever since associated with the Medical School. There are serv-

ices in medicine, surgery, pediatrics, dermatology, genito-urinary diseases, orthopaedics, gynaecology, neurology, neurosurgery, anaesthesia and psychiatry, all of which are used in giving instruction in these special departments of medicine. The hospital has 964 beds, 452 of them being available for teaching purposes. In the General Hospital 16,621 patients were admitted in 1948. Large out-patient departments are also used for instruction in the above clinical subjects. New patients were admitted to the out-patient department last year for a total of 232,791 visits. 14,683 patients were treated in the emergency ward. Laboratories for pathology, chemistry, metabolism, medical and surgical research, and x-ray are maintained, and there is an excellent medical library, all of which are open to students in the Medical School.

In 1942 arrangements were made with the Vincent Memorial Hospital and the Hall-Mercer Hospital to care for their patients in the Massachusetts General Hospital.

In 1943 the Collis P. Huntington Hospital and its associated laboratories of the Harvard Cancer Commission were transferred from their former location adjacent to the Medical School to the buildings of the Massachusetts General Hospital.

The Massachusetts Eye and Ear Infirmary. — There are 190 beds in this hospital, most of which are used for instruction in diseases of the eye, ear, nose and throat. In 1948, 6,359 patients were treated in the wards. Last year there were 72,945 out-patient visits. Pathological and x-ray laboratories are maintained.

The Boston City Hospital. — This hospital with all its divisions contains 2,378 beds, and 159 bassinets for newborn. The 2nd and 4th medical services, the neurological and the pathological services are under the direction of professors of the Harvard Medical School, and in addition there are other specialties open to our students. The department of radiology is very large and occupies an important teaching position. In the Out-Patient Department and Accident Floor, 297,685 patients applied for diagnosis and treatment during the past year, furnishing students with additional opportunities for well supervised clinical experience.

The Thorndike Laboratory has been established as a special department for medical research. A department for surgical research was opened in 1930. In addition there are well-equipped laboratories for pathology, chemistry, metabolism, immunology, neurology, and surgery wherein much clinical investigation goes forward each year. The hospital maintains an admirable library which subscribes to 123 current medical journals. There is a house officers' residence, a modern brick building of seven stories and basement. The building includes sunroom, lounges, swimming pool, squash courts, etc., for recreation.

The Peter Bent Brigham Hospital. — This hospital has been closely associated with the Medical School since its dedication in 1913. It is for general medical and surgical cases, and is situated on grounds adjacent to the Medical School buildings. The chiefs of services are professors of the Faculty of the Medical School. There are 250 beds, all of which are used for teaching purposes. During the past year, 5,133 patients were admitted. There is also maintained an out-patient service for ambulatory medical and surgical patients. The total number of visits was 47,538. There are well-equipped medical, surgical, and pathological laboratories. The hospital, by special arrangement, makes use of the library of the Medical School.

The Beth Israel Hospital. — This is a general hospital with a capacity of 199 beds (including 15 pediatric beds), 150 of which are available for teaching. The institution is located on Brookline Avenue around the corner from the Harvard Medical School. The hospital is equipped for teaching and research, having laboratories for research in surgery, medicine, and pathology, each under the direction of a full-time physician who is associated with the Faculty of the Harvard Medical School. There are also electrocardiograph and basal-metabolism laboratories, animal research equipment, and an extensive x-ray department. 5,781 patients were admitted to the hospital last year. There were 50,099 visits made to the out-patient department.

The Children's Hospital. — Located on Longwood Avenue adjacent to the Medical School. A specialized hospital for the care of sick children up to twelve years of age. The hospital maintains medical, surgical, and orthopaedic services with their associated branches, neurological, contagious, nose and throat, physiotherapy and scoliosis departments. There are 345 beds of which 270 are available for teaching. During the year there were 9,250 cases treated in the wards, and 56,468 treated in the out-patient department. Pathological, bacteriological and chemical laboratories are provided for the study of material from the wards and out-patient service.

The Infants' Hospital (Thomas Morgan Rotch, Jr., Memorial Hospital for Infants). — This hospital is closely related to the Children's Hospital. There are 40 beds which are devoted to the care of infants, in addition to eleven bassinets and eight incubators, which are reserved for premature infants. 1,000 were treated during the year. All of the cases in this hospital are available for teaching.

The Boston Lying-in Hospital. — This hospital occupies a building completed in 1922 at 221 Longwood Avenue. There are 255 beds, most of which are used for teaching. During the past year there were 7,417 adult admissions to the hospital, of whom 5,611 were delivered. Chemical, pathological, bacteriological and blood bank laboratories, and a well-equipped x-ray department are available for research.

The Free Hospital for Women. — This hospital is devoted exclusively to the surgical treatment of diseases peculiar to women. It has 91 beds, of which 65 are available for teaching. Between 2,200 and 2,300 patients are operated upon yearly. In the out-patient department about 12,555 patients are seen in a year, of whom between 2,000 and 3,000 are new. In addition to standard laboratory facilities and a library, it has a laboratory for research in fertility and the Fearing Research Laboratory.

Boston Psychopathic Hospital. — This is a state institution for acute, curable, incipient, and doubtful cases of mental disease. The hospital was opened to patients in June, 1912. It has 117 beds, all of which are available for teaching, and receives patients at the rate of about 1,228 a year. The hospital is equipped with psychological and biochemical laboratories. The out-patient department receives new patients at the rate of about 8,249 a year. In addition to the psychoses and neuroses, the clinical material includes cases of maladjustment, personality problems, behavior disorders of childhood and mental defect.

McLean Hospital. — This hospital is an institution for the care and treatment of patients with mental disorders. It was the first hospital in New England preceding the founding of the Massachusetts General Hospital, which latter institution sprang from the McLean Hospital and both hospitals continue to have the same board of trustees. It has a capacity of approximately 232 beds devoted to the care and treatment of all types of mental disorders. It has been a teaching hospital connected with the Harvard Medical School through many decades. It is well equipped with laboratories for both routine and research work.

House of the Good Samaritan. — This hospital is situated at 25 Binney Street, Boston, adjacent to the Medical School. There are 79 beds devoted to the care and study of rheumatic fever and rheumatic heart disease. 164 patients were admitted in 1948. The hospital has a research department for the study of rheumatic fever and rheumatic heart disease. All beds are available for teaching.

New England Deaconess Hospital. — This hospital contains 300 beds and includes the Deaconess General, the George F. Baker Clinic, and the Palmer Memorial Unit. The George F. Baker Clinic is especially equipped for diabetics and study of the disease. The Palmer Memorial is devoted to cancer and chronic disease; it owns two grams of radium, a large emanation plant, a 4,000,000 volt x-ray therapy machine, and maintains effective social service, and out-patient departments.

The Middlesex County Sanatorium, 775 Trapelo Road, Waltham, Mass. — This institution was established in 1931 for the control of tuberculosis in Middlesex County. Patients in all stages of pulmonary tuberculosis are

admitted. There are 380 beds available for teaching purposes. Complete x-ray and laboratory facilities are maintained; ultra violet light and other special forms of treatment are available. A surgical unit provides complete equipment for general and thoracic surgery, which includes a separate endoscopic room for the operations of internal pneumolysis and bronchoscopy. A large number of ambulatory patients are treated in the out-patient department. A special feature of the sanatorium is the diagnostic service rendered to physicians where cases of any suspected lung disease as well as contact cases of pulmonary tuberculosis may be referred for examination and laboratory study. These diagnostic clinics are conducted by members of the staff at several centers within the county.

HOSPITAL APPOINTMENTS

An active service is maintained to aid graduates in securing suitable hospital appointments as interns. Boston hospitals affiliated with the School make about one hundred such appointments each year.

SCHOOL OF DENTAL MEDICINE

The Harvard School of Dental Medicine admitted its first students in the academic year 1941–42. This School, which succeeds the Harvard Dental School, offers a four-year course leading to the degree D.M.D.

The requirements for admission are identical with those of the Medical School. Qualified students and graduates of approved medical schools who wish to specialize in dentistry may be admitted to the School of Dental Medicine with advanced standing.

During the first two academic years the courses of instruction are identical with those of the Medical School. The third and fourth years are under the direct supervision of the staff of the School of Dental Medicine. This course is intended to provide a thorough training in dental skills and procedure in keeping with legal safeguards established by State Boards of Licensure and sufficient to permit entry into the practice of general dentistry.

Access to the research laboratories of the School in the elective time during the fourth year permits unusual training for those having dental research in mind as a career.

LIBRARIES

The joint library of the Medical School and the School of Public Health is on the second floor of the Administration Building, and in the other buildings are branch libraries. This library is open from 9 A.M. until 10 P.M.,

on Saturdays from 9 A.M. until 5 P.M., and on Sundays from 2 P.M. until 6 P.M. The present number of volumes in the library is 98,619 and in addition there are 205,392 pamphlets and 902 current periodicals on file.

The School of Dental Medicine Library, at 188 Longwood Avenue, has about 4,187 bound volumes, 1,555 pamphlets and 65 current periodicals.

The George Burgess Magrath Library of Legal Medicine contains a collection of approximately 3,000 bound volumes, 384 pamphlets, and 18 current periodical titles. It is located on the third floor of Building E.

The Lucien Howe Library of Ophthalmology, at the Massachusetts Eye and Ear Infirmary, has 3,607 bound volumes, 2,616 pamphlets, and 37 current periodicals.

The College Library at Cambridge is open to the students of this School.

The Boston Public Library is open to students who are residents of Boston. Students, not residents of Boston, who have filed a bond at the Bursar's office, may also use this library. The Bursar will furnish on application the necessary certificate of bond.

The Boston Medical Library, No. 8 The Fenway, contains on file about 200,405 bound volumes, 140,128 pamphlets, and approximately 723 current periodicals. This very valuable library is open to those who desire to consult medical literature, on week days from 9 A.M. to 5 P.M., and on Monday and Thursday, to 9 P.M. Saturdays, 9 A.M. to 1 P.M.

The librarian of the Medical School and the School of Public Health Library is Miss Anna C. Holt whose office is in Building A. Through her, contact with the other libraries mentioned is maintained. Dr. Reginald Fitz is Chairman of the Library Committee.

WARREN ANATOMICAL MUSEUM

The Warren Anatomical Museum was founded in 1847 by JOHN COLLINS WARREN, of the College Class of 1797, Adjunct Professor of Anatomy and Surgery from 1809 to 1815, Hersey Professor of Anatomy and Surgery from 1815 to 1847, Professor *Emeritus* from 1847 to his death in 1856, son of JOHN WARREN, the first Hersey Professor of Anatomy and Surgery. During the academic year the Museum will be opened to visitors and students in the School by appointment only, on application to the Department of Pathology.

The collection has over twenty thousand specimens, illustrating both normal and pathological anatomy. Students and graduates may have access to these specimens.

Besides dissections and serial sections of bones, the anatomical collection includes many injections, corrosion preparations, models and groups of bones, notably the Dwight collection of spines, hands and feet, and the Tello collection of skulls. A section of neuropathology is growing larger

and is suitable for teaching. There has been added a very valuable series of total brain sections which show major lesions. These are displayed over illuminated boxes.

The pathological collection of "hand" specimens, conveniently housed in 40-gallon tanks, is for the use of students, and mounted specimens illustrate the major diseases.

There is a collection of medico-legal material which has a section to itself and forms a basis for teaching.

The American Ambulance of Paris contributed a number of specimens from the European War, especially interesting for a student of military surgery.

REQUIREMENTS FOR ADMISSION

Candidates for admission to the first year class must present evidence satisfactory to the Committee on Admission, not simply that they have passed the courses necessary to fulfill the requirements, but also that their college work and other credentials have been of such character as to give promise of work of high quality in the medical course. Students who satisfy the Committee in other respects will be admitted on the basis of only two years of college work, but three or four years are strongly recommended.

In general, the Schools consider for admission to their classes male and female students in good standing in arts or in sciences in colleges approved by the Council on Medical Education and Hospitals of the American Medical Association. A list of these schools may be obtained by writing direct to the Higher Education Directory, Office of Education, Washington 25, D. C. (Colleges of pharmacy, optometry, veterinary medicine, agriculture, as well as junior colleges and evening and university extension courses are not included in the approved list. Therefore, credits earned in such institutions are not acceptable to the Committee.) Credentials from foreign universities, in most cases, must be supplemented by a year or more of work in an American university. Admission cannot be assured as the classes of the Medical School and the School of Dental Medicine are limited by Faculty rule to 110 students in the Medical School and 15 students in the School of Dental Medicine. Applications will not be received from candidates who have been refused admission on two prior occasions.

In order to meet the present legal requirements of state licensing boards and to have the needed basic understanding, the following specific college credits must be secured:

Biology: The student should take a general course in biology which should emphasize the structure, function, natural history, and evolution of plants and animals. A course in embryology is distinctly recommended but

bacteriology, human anatomy, and histology will not be considered as meeting the biology requirements. A satisfactory course should show college credits of at least eight semester hours.

Chemistry: The student should acquire a sound understanding of the basic principles of chemistry, both inorganic and organic. He must have taken not less than 16 semester hours of chemistry, which should be about equally divided between inorganic and organic chemistry. Biochemistry will not be accepted as meeting these requirements.

To be prepared adequately for the work in chemistry in the Medical School it is desirable that the student have had experience with the application of chemical laws to gases and solutions, and some experience with quantitative techniques (particularly volumetric analysis).

Physics: The student should acquire an understanding of the general principles of physical laws and phenomena, and have experience in mechanics, heat, light, sound, and electricity. College credit for eight semester hours should be secured.

The above science courses must be accompanied by laboratory work taken as a part of the college course.

English: The student must have facility in the use of English in speech and composition. A one year course in which composition is included is acceptable but two years of college English are recommended. If in the judgment of the authorities of the applicant's college, he has obtained enough training in secondary school to be exempted from the usual beginning course in English, an advanced course in English is strongly recommended.

Modern Language: The student should have a reading knowledge of a modern language important to medicine in addition to English. A reading knowledge pre-supposes two years of high school and one year of college work, or two years of college work. The Committee on Admission suggests French, German, Spanish, or Russian as suitable languages. If in the judgment of the authorities of the applicant's college, he has obtained enough training in secondary school to be exempted from the usual beginning course in a college foreign language or to have achieved a reading knowledge of that language, an advanced course in the same foreign language is strongly recommended.

The Graduate Record Examination of the Educational Testing Service is required. Applicants should take this test. The applicant should communicate directly with the Educational Testing Service, P.O. Box 775, Berkeley, California, or P.O. Box 592, Princeton, New Jersey (and not with the Harvard Medical School) for specific details.

The Medical College Admission Test of the Association of American Medical Colleges is required. Applicants should take this test. Information

about this test may be obtained by writing to the Educational Testing Service, Box 592, Princeton, New Jersey.

These are two separate tests, both administered by the Educational Testing Service, and both required by the Harvard Medical School. In most colleges there is a representative of the Educational Testing Service who will have the most up-to-date information on both tests.

Interview: An interview may be required of any applicant. The Committee on Admission will inform an applicant if one is necessary in his case.

ADMISSION TO ADVANCED STANDING IN THE HARVARD MEDICAL SCHOOL

The third year class is automatically increased by approximately 15, making place for transfer students from other medical schools. Vacancies in the second year class may also be filled by transferring students.

Students of high scholastic standing will be considered. They must be vouched for as promising men by the Dean of the school from which they come and must furnish a certificate of time spent in medical studies at least equal to that spent by diagnosis and in physical diagnosis, may be required. Ordinarily such requirements can be completed during the summer holiday preceding transfer. All the requirements for the first year class (including the Professional Aptitude Test), must have been fulfilled by applicants for advanced standing.

Applications may be obtained at the Dean's Office approximately one year prior to the expected date of transfer.

Graduates of the Harvard School of Dental Medicine are automatically eligible to enter the third year of the Harvard Medical School.

ADMISSION TO ADVANCED STANDING IN THE HARVARD SCHOOL OF DENTAL MEDICINE

A student who has begun his medical studies in an approved medical school may be admitted to the second or third year and become a candidate for the degree of Doctor of Dental Medicine under the following conditions:

He must be vouched for as a promising man by the Dean of the medical school from which he applies.

He must furnish a certificate of time spent in medical study at least equal to that spent by the class to which he seeks admission.

All the requirements for the first year class must have been fulfilled by applicants for advanced standing.

The Committee on Admission will decide in each case whether examination in the various subjects shall be required.

Information for Servicemen

The qualifications for admission remain essentially the same for veterans as for civilian applicants. Before the acceptance of a veteran can become final, the applicant will need to submit photostatic copies of discharge papers or similar evidence of honorable release. Where available the applicant should file also a copy of his "Separation and Qualification Record" on which is listed in detail his service record and training. If the Committee does not act favorably on an application, certifications furnished by the applicant may be returned, at his request. It is the responsibility of the applicant to take the necessary steps toward obtaining government benefits for servicemen eligible for them under Public Laws 16 ("Rehabilitation") or 346 ("G.I. Bill"). On request the Counsellor for Veterans can furnish a brief statement of the necessary procedures required by the Veterans Administration to receive such benefits. The University has established the Office of Counsellor for Veterans to form a central point for answering inquiries and advising veterans. For matters relating to veterans' affairs and not connected directly with the Medical School or the School of Dental Medicine, the applicant should feel free to write to the Counsellor for Veterans, 2 Weld Hall, Cambridge 38, Massachusetts.

GENERAL REGULATIONS

First year students for 1950 register in the amphitheatre in Building C on September 22, 1950 at 10.00 A.M.

In order that the time of study shall count as a full year, students of all upper classes must register on Monday, the first day of the session.

A fee of $10 is charged for late registration.

For special and approved purposes students may be allowed to take a portion of their work elsewhere than at the Harvard Medical School, provided the application be approved by the Dean in consultation with the Administrative Board and the head of the department concerned, and provided the student passes an examination on this work after its completion, conducted by a member of the Faculty of the Harvard Medical School.

Examinations and Promotion

Promotion from one class to another is contingent upon the satisfactory completion of the required work of each year. In each course, when indicated, students will be informed by their instructors as early as possible when the progress of their work is unsatisfactory. At the end of each year each student may be informed whether he ranks in the top, middle, or lowest third of his class. This information will be given out only by the Dean or Assistant Dean.

Final grades in each course will be based upon such examinations or other tests as are determined by each department. Grading is on the scale of A, B, C, D, and E (denoting failure).

Grades are averaged on the basis that A = 1, B = 2, C = 3, D = 5 and E = 8, and since the time devoted to courses varies, grade averages will take into account the time assigned to courses, giving them computation values as follows:

First Year: Anatomy 5; Histology 5; Physiology 5; Biological Chemistry 5.

Second Year: Pathology 6; Bacteriology 4; Pharmacology 4; Physical Diagnosis 2; Laboratory Diagnosis 2; Surgery 2.

Third Year: Medicine 6; Surgery 6; Pediatrics 3; Obstetrics 3; Preventive Medicine 2.

Fourth Year: Proportional to month's work.

Promotion Boards:

Promotion Boards have been appointed for the first, second and third years to review the work of each student at the end of the year or, at their option, at other times. The membership of these boards consists of one representative from each department whose grading, as noted above, affects the student's grade average and one member from the Committee on Examinations and not as voting members, the Dean or Assistant Dean, *ex-officiis*, and on the Promotion Boards of the first and second years, the Dean of the School of Dental Medicine, *ex-officio*.

It is the duty of the Promotion Boards to promote those qualified, to notify formally students whose work in any course is unsatisfactory — in certain cases requiring that such students repeat the year's work — and to recommend that unpromising students withdraw from the School.

Opportunity will be given to students to appeal the decision of a Promotion Board either at a special meeting or at the next regular meeting of the Board. Appeals must be sent to the Chairman of the Promotion Board, Harvard Medical School and, to be valid, be received by him within two weeks after the issuance of a Promotion Board's notice of formal action.

General Examination:

A committee will give a General Examination to each candidate for the degree of M.D. It will recommend to the Faculty those who pass and are otherwise qualified for the degree and for honors. The conditions under which a student shall take a General Examination and the character and content of the examination will be determined by the Committee subject only to rules of the Faculty.

A student becomes eligible to take a General Examination on successfully completing seven-eighths of his fourth year work. He may not anticipate the General Examination ahead of his class.

A student who fails three General Examinations is debarred from further attempts.

Rules governing promotion:

1. A student with a grade averaging, for one year, from D (5) to E (8) will ordinarily be required to withdraw from the School.

2. A student whose grade for one year averages from 4 to 5 will be warned that his work is unsatisfactory. At the Promotion Board's discretion such a student may be required to repeat the year's work, or to withdraw from the School.

3. A student who is set back a year must repeat at least two assigned subjects and then he will not be promoted unless he obtains a grade of C or better in both of these subjects.

4. A student who is warned by a Promotion that his work is unsatisfactory and yet is permitted to advance with his class must attain for the ensuing year a grade average which is significantly better than in his previous year, failing which he must repeat the year's work, or, at the Board's discretion, he may be required to withdraw from the School.

5. A student failing in any course and yet permitted to advance with his class may not be promoted a second time nor will he be allowed to take the General Examination until that failure is removed.

6. A student failing any course will have an opportunity for re-examination only at a time set by the Promotion Board or with a succeeding class or section.

Withdrawal from the School

The Faculty reserves the right to require the withdrawal of any student at any time when, in the opinion of his instructors, it is manifest that he is incompetent, or for any reason is unfit to continue his course.

A student may withdraw voluntarily from the School upon application to an Assistant Dean. *Application for reinstatement by any student must be received in writing at least four months prior to the date of readmission and for favorable action must be approved by the Committee on Admission. After two years, favorable action will usually not be taken.*

DEGREES

DEGREE OF DOCTOR OF MEDICINE

Every candidate for the degree of *Doctor of Medicine* at this University must be at least twenty-one years of age, and of good moral character. He must have fulfilled all the requirements for admission to this Medical School; give evidence of having studied in a recognized medical school at least four

full years, of which one year must be spent in the regular fourth year course of this School; have passed all the required examinations; have dissected the three parts of the body to the satisfaction of the demonstrator; have taken charge of and reported on twelve cases in Obstetrics under supervision and instruction; and furnish evidence of having engaged in the practical exercises in Medicine and Surgery.

The degree of Doctor of Medicine *cum laude*, *magna cum laude*, or *summa cum laude* may be given to students of highest rating in the class, on recommendation of the Committe on Examinations and the Faculty.

The degree of Doctor of Medicine *cum laude*, *magna cum laude*, or *summa cum laude* for a thesis in a special field may be awarded to candidates for the degree of Doctor of Medicine on recommendation of the Committee on Examinations and the Faculty. The work for this may have been carried out under the Tutorial System or by independent arrangement with any member of the Staff.

The degree is awarded for original and meritorious investigation in a single subject or group of subjects and for evidence of ability, scholarship and persistent interest and industry. Candidates wishing to be considered for such honors in a special field must apply to the Dean's Office not later than March 1 of the year of graduation and must submit two typewritten copies of an original thesis prepared in form usual for publication. The written approval of the head of the department in which the work was completed must be attached.

The thesis should include an introduction with references to relevant literature; a brief statement of the purpose of the study; a description of the materials and methods employed; an account of the original observations included; a discussion of the results; a summary; and a list of the references used.

No candidate is eligible to graduate with honors for a thesis in a special field unless he has done creditable work in his regular curricular studies and has passed the General Examinations. In addition, any candidate whose qualifications are acceptable for honors in a special field must pass an oral examination before the Subcommittee on Honors in a Special Field and invited special examiners in which he will be examined not only on the subject of his thesis but on the general field of which it is a part.

Every candidate for the degree of M.D. must make application for it in writing on blanks furnished at the Dean's office, on or before April 1.

HIGHER DEGREES IN THE MEDICAL SCIENCES

The degrees Master of Arts, Doctor of Philosophy, and Doctor of Medical Sciences have been established for advanced work in some special field in the medical sciences. The first two degrees are voted by the Faculty of Arts and

Sciences upon the recommendation of a Committee consisting of members of the Faculties of Medicine and of Arts and Sciences. The degree of Doctor of Medical Sciences is administered by the above Committee, excepting the members from Harvard College, and the degree is voted by the Medical Faculty. All candidates for these degrees must hold a degree in Arts or in Sciences from an approved college. These degrees are not awarded for mere reason of faithful study for a prescribed time, but primarily for high attainment in a selected science.

Master of Arts and Doctor of Philosophy

Candidates for the degree of *Master of Arts* must register in the Graduate School of Arts and Sciences, and pursue an approved course of study in medical science for at least one year which must be spent in residence.

Candidates for the degree of *Doctor of Philosophy* must fulfil certain preliminary requirements described in the general University Catalogue, must devote to approved advanced studies not less than two years — at least one of which must be spent in residence at this University — and must pass general examinations and present an account of original work in an accepted thesis, before being granted the degree.

Doctor of Medical Sciences

Candidates for this degree must matriculate as medical students and complete with an honor grade the regular elementary courses offered by this School in gross and microscopic anatomy, embryology, physiology, biological chemistry, bacteriology, pathology, pharmacology, and clinical pathology, together with such other subjects as may be recommended by the Committee. In addition all candidates are required to have a reading knowledge of French and German. Ordinarily this preparatory training will be equivalent to the first two years of the course of study leading to the degree of M.D. Students who have completed all or a portion of this work in other approved medical schools may be admitted to candidacy upon presenting evidence that they have passed the above subjects or their equivalents with an honor grade, and upon passing the general examination described below.

Following the completion of this preliminary training the student shall devote himself for not less than two years to the intensive study of one of the fundamental medical sciences and to the preparation of a thesis. The thesis must show an original treatment of a fitting subject and give evidence of independent research.

There shall be two examinations for every candidate for this degree: a general examination, before entering upon the work of the last two years, covering the elementary medical sciences listed above; and a final examination, upon acceptance of the thesis, covering the particular medical science chosen as a special field.

The fees for the first two years are the same as for medical students.

Further information concerning these higher degrees may be secured from the Office of the Division of Medical Sciences, Harvard Medical School, 25 Shattuck St., Boston 15, Mass.

STUDENT EMPLOYMENT

The Dean's Office makes every effort to assist students in obtaining part-time work during the college year and full-time work during the summer vacation. The service is furnished without cost either to the student or to the employer. It is recommended, however, unless a student sees reasonably clearly how he will meet the expenses of at least the first year in the School, that he postpone his entrance until he can save enough money to get started without having ahead of him oppressive financial worry.

Only a limited amount of outside work can be done without being a tax on the student's health and scholarship, and the student is urged, when it is possible, to devote himself to a regular program of study and recreation, giving as little time to outside work as is feasible with his plan for financing his medical education. A limited number of positions offering room and board in return for laboratory or minor clinical services in hospitals are available to second, third, and fourth year students. Fewer opportunities are open to first year men. When a student's standing is such that it is felt he can carry outside work, the Dean's Office makes every effort to assist him to obtain part-time work during the school year.

MICROSCOPES

The School requires that each student secure a standard student microscope, preferably less than twenty years old, with two oculars and three objectives including an oil immersion lens. A mechanical stage is not essential. A few microscopes are available for rental each year through the Dean's Office to students unable to provide their own microscopes.

FEES AND EXPENSES

An estimate of total yearly expenses shows that the average cost of the school year is $2,200 for each academic year. This estimate includes tuition, medical and infirmary fee, board and room, books, laundry and incidentals.

The fees are: — For matriculation, $5; for medical and infirmary fee, $30 for each year; for instruction (including laboratory charges except microscope rental, breakage, damage and loss of apparatus), $800 for each year.

The term-bills are issued approximately every two months.

Bills for miscellaneous charges will be rendered at the time the indebtedness is incurred.

All indebtedness to the University must be paid by all candidates for degrees at least one day before Commencement.

Students who are candidates for degrees in the middle of the academic year must pay all dues to the University at least one day before the day upon which the degrees are to be voted.

The term-bills are sent to the student at his college address unless the Bursar is requested in writing to send them elsewhere.

When a student's connection with the University is severed, all charges against him must be paid at once.

A deposit of $50 is required of every new student who accepts a place in the Medical School; this sum to be applied on his first term-bill or to be forfeited if the student does not register.

Any student whose indebtedness to the University remains unpaid on the date fixed for payment is deprived of the privileges of the University until he is reinstated. Reinstatement is obtained only by consent of the Dean of the Department in which the student is enrolled, after payment of all indebtedness. A fee of $10 is automatically added to all bills which are unpaid by the due date. *Students will be held responsible for the payment of fees until they have notified the Dean, in writing, of their intention to withdraw from the School, and have subsequently received their bond from the Bursar.*

Dormitory

Vanderbilt Hall, the Medical School dormitory, has accommodations for 325 male students. The majority of the rooms are designed for one occupant. Many of the rooms communicate directly with the adjacent room, and there are also a number of suites for two or more persons. The price of rooms ranges from $180 to $360 per person for the academic year. Application forms for rooms in Vanderbilt Hall will be sent to all new students approximately four months before registration day. The date on which they must be returned in order to be included in the drawing will be announced at that time. Students are permitted to reengage their rooms for the following year by signing lease cards at the Dean's Office. The dormitory has squash courts and a gymnasium which are open to members of the teaching staff and students of the Medical School. In addition the School has tennis courts and has an outside exercise field. There is a parking lot for automobiles behind the hall which is owned by the School. No charge is made for this facility and the School assumes no responsibility for loss or damage to automobiles or other property left in the lot.

The dormitory contains a large dining hall which is available for all members of the Medical School. Meals are served at reasonable prices.

Bond Required of Students

On his entrance to the School every student is required to file with the Bursar a bond in the sum of $500 as security for payment of University bills. The bond must be signed by two bondsmen, both of whom must be citizens of the United States, or by a surety company duly qualified to do business in Massachusetts.

No officer or student of the University will be accepted as a bondsman and in no case will more than one parent be accepted as a bondsman. In lieu of the bond a student may deposit with the Bursar five hundred dollars in United States government coupon bonds, or five hundred dollars in cash which will bear no interest.

Medical Attendance

A medical adviser who is a member of the University Department of Hygiene may be seen in his office in Vanderbilt Hall, Harvard Medical School, from 8.15 A.M. to 9.00 A.M. and 4.00 P.M. to 5.30 P.M. on weekdays. On Saturdays and holidays, he will be available between 9.00 A.M. and 10.00 A.M. He may also be seen at other times by appointment and can be reached at any time in case of emergency.

A complete medical examination of each new student will be made at the beginning of the school year. The University maintains an infirmary in Cambridge which is available to medical students. For more serious cases, the teaching hospitals associated with Harvard Medical School are utilized.

For information regarding the payment of medical and infirmary fees, the civilian student may consult the University Catalogue.

A certificate of vaccination is required of each student before registration.

Any illness necessitating absence from work must be reported to the medical adviser.

FELLOWSHIPS AND SCHOLARSHIPS

Fellowships

The amount of the stipend of the Fellowships and Scholarships is approximate only and contingent upon the income of the University.

Students who marry while on a fellowship will forfeit the fellowship unless at the time of their application they have notified the Committee of their intention to marry.

Edward Hickling Bradford (1918). Anonymous. To be used for medical research or instruction separately or in connection with any other foundation, in such manner as may be prescribed. $1,400

John White Browne (1918). Mrs. Francis B. Greene. For a young man of unusual promise to pursue research investigations for one year at the Harvard Medical School or elsewhere. $1,200

Bullard (1891). William Story Bullard, in memory of three physicians "distinguished for their honorable personal character and their professional services in this community":

George Cheyne Shattuck Memorial	$375
John Ware Memorial	375
Charles Eliot Ware Memorial	375

Any one or all of these fellowships may be paid to any student or member of the medical profession appointed to make such original investigations in Medical Science as will be most useful to the profession and to the community. The results of these investigations shall not, however, be published as a research performed under the grant of a Bullard Fellowship, unless the work shall have received the approval of the Committee.

Holders of the fellowships must do throughout the academic year the equivalent of at least ten hours' work a week and make a report thereon.

Arthur Tracy Cabot (1913). Dr. and Mrs. Frederick Cheever Shattuck. In memory of Arthur Tracy Cabot, A.B. 1872, M.D. 1876. For students of surgery. Ordinarily the incumbent may not engage in active practice, but is to devote himself to the advancement of surgery in the United States or elsewhere. Nomination to this fellowship is by preference to be made by the Moseley Professor of Surgery. $1,400

James Jackson Cabot (1906). Arthur T. Cabot, Samuel Cabot, and Guy C. Cabot. Income to be used to "aid and encourage practical work in scientific medicine." $700

Walter Bradford Cannon (1945). Mr. Joseph F. and Mrs. Clara Ford. A fellowship in Physiology. $400

Harold C. Ernst Memorial Fund (1938). Mrs. Ellen L. Ernst. A scholarship or fellowship in the Department of Bacteriology. $2,500

Charles Follen Folsom (1908). Founded by more than sixty persons in memory of Charles Follen Folsom, A.B. 1862, M.D. 1870. A Teaching Fellowship in Hygiene or in Mental and Nervous Diseases. For the present assigned to the Department of Neuropathology. $950

Louis W. Gilbert (1943). S. Louise Gilbert. Income to be used for the study of chronic diseases. $1,500

Charles Dustin Hunking, M.D. (1948). Sarah S. H. Cheney, in memory of her brother, Charles Dustin Hunking, M.D., a member of the Class of 1871 of Harvard University and of the Class of 1876 of Harvard Medical

School. To enable a graduate of Harvard Medical School, who is also a native of Haverhill, Mass., to do medical research. $200

Louis E. Kirstein (1937). Friends of Louis E. Kirstein. For the promotion of scientific medical education. $1,700

William O. Moseley, Jr., Travelling Fellowships (1912). Mrs. William O. Moseley. For students who have attended the School for three or four years, to enable them to continue the study of medicine in Europe. Either two or three fellowships will be awarded. $3,500

Francis Weld Peabody Memorial (1929). To be awarded on the recommendation of the Dean and full professors of Medicine in charge of the clinics of the Boston City Hospital, the Massachusetts General Hospital, and the Peter Bent Brigham Hospital, to properly qualified graduates of medical schools to enable them to devote further time to intensive clinical and laboratory studies. $2,500

Jeffrey Richardson (1933). William Lambert Richardson, A.B. 1864, M.D. 1867. To be awarded each year to some deserving student, upon his graduation from the Harvard Medical School, who desires to continue his studies either here or abroad. $1,900

Henry P. Walcott (1910). Dr. Frederick Cheever Shattuck. For a Fellow in Clinical Medicine appointed on nomination by the Jackson Professor of Clinical Medicine. The recipient shall not engage in private practice but must devote his time to teaching and clinical research. $1,900

Whitman (1933). Mrs. Bernard C. Whitman, in memory of her husband Bernard C. Whitman, A.B. 1846, and of her son Crosby C. Whitman, A.B. 1886. Available for a graduate of Harvard Medical School pursuing the study of medicine or surgery at the École de Médecine de Paris. $475

William Hunter Workman (1925). William Hunter Workman, M.D. 1873. To enable one or more graduates of the Harvard Medical School to pursue postgraduate studies in medicine in this country or abroad. In exceptional cases, fourth year students will be eligible. $1,300

Scholarships

Harvard Medical School National Scholarships

In order to make it possible for young men of outstanding ability and promise to come to the Harvard Medical School, two or three Harvard Medical School National Scholarships will be offered to incoming members of the first year class. These scholarships will carry a stipend sufficiently large, if necessary, to meet all the student's essential expenses. Successful applicants who maintain a high honor record at the Medical School will continue to hold these scholarships throughout the Medical School course.

The offer of these scholarships is made possible by gifts from Mr. Edward S. Harkness, Dr. Daniel F. Jones, and Dr. Franklin S. Newell. The donors expressed the hope that through these scholarships superior men who could otherwise not receive a medical education would be enabled to attend the Harvard Medical School. They also expressed the hope that some of these men might wish to return to their own communities to carry on the practice of medicine.

Direct application for these scholarships cannot be made since all accepted first year students are considered as candidates, the awards being made without reference to financial circumstances. The stipend will vary depending on the resources of the recipient.

General Scholarships

The following scholarships are open to students who have been admitted to the School at the time of application. Approximately $22,000 is available annually from the general scholarship funds.

The Cheever, Greene, Haven, and Mears Scholarships are awarded to students of the first year class. The Hayden and Webster Scholarships may be so awarded. All the other scholarships are awarded to members of the three upper classes.

Scholarships and gratuities are awarded to such men among those applying for and needing assistance as give evidence of having done the best work in this School.

Information with regard to all forms of pecuniary aid may be obtained from the Dean's Office. Students requiring aid should visit the Dean's Office as soon as possible after matriculation to discuss their financial needs.

Aesculapian Club (1938). To be used for loans or scholarships.

Edward Dana Barbour Fund (1928). For promoting medical education in China, preference to students coming from Shanghai or its environs.

Edward M. Barringer Fund (1880). Edward M. Barringer. For the maintenance of two scholarships for students in the Harvard Medical School. Awarded to deserving students, preference being given to those of the fourth year class.

Edward M. Barringer No. 1

Edward M. Barringer No. 2

Gordon Bartlett (1919). Mr. and Mrs. Donald Gordon, in memory of their nephew, Gordon Bartlett, a student at Dartmouth College who died of wounds at St. Mihiel while serving in the Seventeenth Field Artillery. Preference is given to graduates of Dartmouth College. This scholarship will ordinarily be divided between two men.

Matthew and Mary E. Bartlett (1916). Miss Fannie Bartlett, in memory of Matthew and Mary E. Bartlett. For the benefit of a worthy and meritorious student who is in need of financial assistance.

Lucius F. Billings (1900). Lucius F. Billings. May be divided between two or more students.

Henry Fassett Castle (1941). William E. Castle, A.B. 1893, A.M. 1894, Ph.D. 1895, as a memorial to his son, Henry Fassett Castle, who died in November, 1919, at the age of 19, having completed the previous June the work of the first year in the Medical School.

David Williams Cheever (1889). David Williams Cheever, A.B. 1852, M.D. 1858, LL.D. For a first year student after three months' study in the Medical School.

David Williams Cheever #2 (1947). David Cheever, A.B. 1897, M.D. 1901. To be awarded at the beginning of the year to a first year medical student in hope that after the stated probationary period he may be awarded the scholarship founded by David Williams Cheever, A.B. 1852, M.D. 1858.

Cotting Gift (1900). Benjamin E. Cotting, A.B. 1834, M.D. 1837. Awarded on the basis of pecuniary need, intellectual capacity, faithfulness and earnest endeavor.

Orlando W. Doe (1893). Orlando Witherspoon Doe, A.B. 1865, M.D. 1869. To be given annually to a deserving student in the Medical department.

George Russell Eager (1936). Miss Mabel T. Eager, in memory of her father.

Henry Ehrlich Memorial (1927). Friends and family of Henry Ehrlich, M.D. 1886. To be used for the assistance of needy and worthy students regardless of creed or color.

Horace Putnam Farnham (1918). Mrs. Eliza Cary Farnham in memory of her husband, Dr. Horace Putnam Farnham, A.B. 1843. For the benefit of meritorious students in the Harvard Medical School.

Dr. E. Peabody Gerry (1943). The income to aid first year students.

Charlotte Greene (1925). Edwin Farnham Greene. For a first year student whose previous record indicates special promise.

Dr. C. Eugene Gunther (1933). Mrs. C. Eugene Gunther in memory of her husband. To be used to maintain two scholarships for the benefit of deserving medical students.

George Haven (1913). George Haven, M.D. 1883. To be used annually for scholarships for students of the first year in the Medical School.

Lewis and Harriet Hayden (1894). Mrs. Harriet Hayden. For colored students. The income may be divided. If not awarded in the Medical School,

the School of Public Health, or the School of Dental Medicine, it is open to colored students in any other department of the University.

William Otis Johnson (1912). Mrs. William O. Johnson, in memory of her husband, William Otis Johnson, A.B. 1845, M.D. 1848.

Claudius M. Jones (1893). Claudius Marcellus Jones, A.B. 1866, M.D. 1875.

Alfred Hosmer Linder (1895). Mrs. George Linder. For a student of sound principles and marked ability.

James Ewing Mears, M.D. (1920). J. Ewing Mears. For a student throughout the full course of four years, subject to his scholastic standing and good conduct.

Ernest Omar Nay (1947). Ernest Omar Nay, M.D. 1919. For a medical student from the states of Indiana, Illinois or Ohio whose scholarship is above the average and whose financial resources are such that he cannot unaided acquire a medical education.

Joseph Pearson Oliver (1904). Patients of Joseph Pearson Oliver, M.D. 1871. To be awarded to a needy and deserving student of the Medical School.

John Eliot Overlander (1947). John Eliot Overlander, M.D. 1909. To assist such needy medical students as may be deemed worthy of assistance by the proper authorities.

Charles B. Porter (1897). William L. Chase.

Flavius Searle (1921). Miss Mary L. Searle, in memory of her father, Dr. Flavius Searle. The stipend may be divided.

Joseph J. Silbert (1937). For scholarship or loans to needy students.

Francis Skinner (1905). Francis Skinner, Esq. To be used in small sums to meet the urgent needs of meritorious students in the payment of term-bills or other expenses.

Charles Pratt Strong (1894). Friends and patients of the late Charles Pratt Strong, A.B. 1876, M.D. 1881.

Isaac Sweetser (1892). Mrs. Anne M. Sweetser. To be "devoted to the aid of poor students of ability who would not otherwise be able to continue the studies necessary for their profession".

John Thomson Taylor (1899). Mrs. Frederic D. Philips, in memory of her brother, John Thomson Taylor. To be paid to some meritorious undergraduate of the Medical School without regard to his pecuniary circumstances.

Walker Scholarships (1922). Miss Leslie Walton Walker, four scholarships.

Dr. Charles Walker

Helen L. Walker

Anna G. Walker

Leslie W. Walker

Abraham A. Watson (1923). Miss Catherine E. Walker. For the benefit of students in the Medical School.

Edward Wigglesworth (1897). The family of Edward Wigglesworth, A.B. 1861, M.D. 1865.

School of Dental Medicine Scholarships

The Alford Fund (1785). Mrs. Joanna Alford. "To be used for scholarships for those students who are under low and indigent circumstances."

Dwight M. Clapp (1926). Clara Josephine Clapp in memory of her husband, Dwight M. Clapp, D.M.D. 1882. For the education of a male student born in Massachusetts, preferably one who has a college education or training of a classical character.

Dental School Alumni (1937). A general scholarship after the income has reached $100 annually.

Harvard Dental Alumni Association Scholarships (1949). (Income supported by annual gifts.) Scholarship for third or fourth year student or fellowship for graduate work. Selection of candidate to be based upon character, scholarship and promise within the field of dentistry.

Thomas Alexander Forsyth (1929). Thomas Alexander Forsyth. Continuous scholarship to two deserving men who have passed the scholarship requirements.

Eugene Hanes Smith (1920). Alumni Association. To be awarded to a third or fourth year student who has been a student in regular standing during the first and second years.

Peter E. Strauss (1922). Emily R. M. Strauss. In memory of her husband.

Fellowships and Scholarships Available in other Departments of the University as well as in the Medical School and School of Dental Medicine

Unless otherwise stated, applications should be made, before *February 10*, to the Deans of the Medical School and School of Dental Medicine.

Austin Fellowships or Scholarships (1899). Established under the will of Edward Austin.

Ellen S. Bates (1929).

Baxendale (1928). Preference: (1) descendants of Alan Bedford Hudson; (2) students of the name of Baxendale or Hudson; (3) students from the City of Brockton, Mass., or from the Town of Bourne, Mass.

Bright (1880). For descendants of Henry Bright, Jr., of Watertown, Mass., who bear the name of Bright.

Daniel A. Buckley (1905). For graduates of Cambridge public schools.

George Chase Christian Memorial Scholarships (1936). To be awarded as National Scholarships to residents of Minesota.

Charles Downer Scholarship (1927). (1) to descendants of Joseph and Robert Downer, of Wiltshire, England, who came to America at about the year 1650. (2) To those of English or Anglo-Saxon stock, bearing the surname of Downer by right of birth or inheritance. If the income from the fund is not in this manner wholly used, awards to students may be made to:

(1) Descendants of members of the Class of 1889.
(2) Those whose homes are in the State of Vermont.
(3) Descendants of graduates of Harvard College.
(4) Those "of that old Anglo-Saxon stock which has gone forth from New England into all parts of the U. S. and has been the means of giving strength and stability and character to our government."

Joseph Eveleth (1896). Joseph Eveleth. To aid students in Harvard College or any of the schools connected therewith.

Gage Scholarship (1948). Established under the will of Dr. Homer Gage. "For one or more scholarships in such departments of the University as the said President and Fellows may determine."

John Tyler Hassam (1941). Established under the will of Eleanor Hassam in memory of her father, John Tyler Hassam, A.B. 1863.

Charles W. Holtzer (1929). For students of German birth who have received their preliminary education in German institutions of learning.

Lincoln (1876). Preference: students from Lincoln, Mass.

John Parker (1873).

Frederick E. Parlin (1928). Preference: natives of Malden or Everett, Mass.

Aristides Evangelus Phoutrides (1925). For students of Greek birth or of Greek parentage.

Princeton (1910). Preference: a graduate of Princeton University. Application should be made to the Dean of the Graduate School of Princeton University before February 10.

Leon W. Redpath (1938). For deserving students from the State of Ohio. Preference: students from Stark and Tuscarawas Counties.

James A. Rumrill (1909). For a properly qualified graduate of a college or university in Virginia, North Carolina, South Carolina, Florida, Georgia, Tennessee, or Kentucky. The selection to be made on the advice of the President and Faculty of the institution from which the student comes.

Frederick Sheldon (1909). Awarded as travelling fellowships to students in the University who are holders of a Harvard degree. Application must be made before February 1. About ten fellowships are awarded, the maximum amount being $1,500.

Stoughton (1701). Preference: (1) students from Dorchester, Mass.; (2) students from Milton, Mass.

Anna Vaughan Foundation (1935).

1902 World War Memorial (1923). Preference: (1) sons of 1902 men killed in World War I; (2) descendants of the Members of the Class of 1902.

PRIZES

Isaac Adler (1934). Frida Adler. To be awarded once in three years for the best piece of original research within that period in the United States or Canada on any subject within the medical or allied sciences.

Henry Asbury Christian (1937). Dr. Samuel A. Levine. To be awarded annually on or about the seventeenth of February, which is Dr. Christian's birthday, to the student in the Fourth Year Class who has displayed diligence and notable scholarship in his studies and offers promise for the future. $100

LOAN FUNDS

Apply at Dean's Office

Funds have been established to which students who are in need of money may make applications for loans.

In case of unforeseen emergency loans may be made at any time. Loans are made to meet term-bills and cash is provided rarely.

Loans will be made to students whose records are creditable to make it probable that they will remain in the School and whose other financial obligations do not make it improbable that this loan will be repaid.

Interest at the rate of 1% per year will be charged on loans, chargeable on the first of July and continuing at this rate until the July 1st subsequent to the completion of three years following a borrower's graduation from the School. Thereafter, interest at the rate of 4½% per year will be charged annually on July 1st on outstanding loans.

In cases where the student borrower, for any reason, leaves the School prior to graduation, interest at the rate of 1% will be charged from the date of loan until the date of separation from the School and interest at the rate of 4½% will be charged thereafter.

Notes are payable at any time but become due on July 1st five years after graduation.

Medical School

David L. Edsall Revolving Loan Fund (1927). Dr. Frederick C. Shattuck established this fund by gift of $100,000 to be used as a revolving loan fund.

Charles William Eliot Loan Fund (1924). Given anonymously in honor of President Eliot. Principal and interest to be used for loans to students in the Medical School.

Loan Fund of the Medical Class of 1879. To be used as a loan fund to aid any student or students in the Medical School. Assigned at the request of the Class, or, in the absence of such request, by the Faculty of Medicine.

School of Dental Medicine

Christian Soldier Loan Fund (1924). Established by Miss Caroline F. Anderson for the benefit of needy and deserving students.

Dental Alumni Loan Fund. Dental Alumni Association and Classes of 1900, 1901, 1902, 1904, 1905, 1906 and 1908. To aid any deserving students who require financial assistance.

Lucinda Davis Fernald Fund (1936). Established by Dr. Adelbert Fernald for the benefit of deserving New England born students of good character.

Robert T. Moffatt Fund. Given by Dr. Robert T. Moffatt for the benefit of deserving students in need of financial aid.

LECTURESHIPS

The Edward K. Dunham Lectures for the promotion of the medical sciences have been given annually since 1923 by eminent investigators and teachers in one of the branches of the medical sciences or of the basic sciences which contribute toward the advance of medical science in the broadest sense. The lectures are open to the Faculty and students of the Harvard Medical School and College and all other interested professional persons. The lectures are given under the fund established for that purpose by Mary Dows Dunham in memory of her husband, Dr. Edward K. Dunham.

The George W. Gay Lectures upon Medical Ethics are given annually at the Harvard Medical School. The fund for the establishment of these lectures was given in 1917 by Dr. George W. Gay.

THE CANCER COMMISSION OF HARVARD UNIVERSITY

Under the will of the late Mrs. Caroline Brewer Croft a sum of money was received in 1899 for the investigation of the cause and treatment of cancer. Since that time other sums have been contributed for cancer research and the Cancer Commission of Harvard University has been organized. The Commission supports the Huntington Hospital beds, out-patient department, and cancer research laboratories at the Massachusetts General Hospital. It provides a service for pathological examination and diagnosis of tumor tissue for the State of Massachusetts at the Harvard Medical School, and also makes grants in aid to various departments of the University carrying on investigation on the cancer problem.

The functions of the Cancer Commission are exercised by the Committee of Research and Development which is made up of the following members: James Bryant Conant, Chairman; George Packer Berry, Paul Herman Buck, James Morse Dunning, Richmond Keith Kane, Edward Reynolds, James Stevens Simmons, Henry Coe Meadow, Executive Secretary.

PROCTOR FUND

A bequest of fifty thousand dollars by Ellen Osborne Proctor, for the purpose of promoting the study of chronic diseases, subsequently has been increased by an additional fifty thousand dollars from another member of the Proctor family. The income of this fund is to be devoted to investigations into the nature and treatment of chronic diseases and the care of persons afflicted with these diseases while in hospitals for such investigations. The special disposition of the income of this fund is under the control of a committee composed of the professors of Theory and Practice of Physic, Clinical Medicine, and Pathology. George W. Thorn, M.D., is Chairman of the Proctor Fund Committee. Applications for grants should be sent to the Chairman, preferably on May 1st of each year.

WILLIAM W. WELLINGTON FUND

In 1925 a bequest was received from William H. Wellington to establish the "William W. Wellington Memorial Research Fund." The income of this fund is to be applied for research concerning the etiology and therapeutics of the diseases of man, and is to be administered by a Committee composed of the heads of the departments of Pathology, Medicine, and Pharmacology. Dr. J. Howard Means is the Chairman.

COURSES FOR GRADUATES

The object of this division of the Medical School is to offer to graduates in Medicine opportunities to continue their studies in a thorough and scientific manner.

For information concerning courses offered the *Catalogue of Courses for Graduates* should be consulted.

Facilities at the Harvard Medical School and the abundant clinical opportunities in the various hospitals are available for graduate instruction. Eugene C. Eppinger, M.D., Assistant Dean, is in charge.

SCHOOL OF PUBLIC HEALTH

The School of Public Health is one of the graduate schools of the University and its purpose is to train public health administrators, as well as teachers and research scientists. The School conducts research and provides basic and advanced courses in fundamental fields of public health, such as biostatistics, epidemiology and sanitation; in the application of such medical disciplines as microbiology, physiology and biochemistry to the problems of conservation of group and of individual health; and in administrative methods used by the health officer in general fields as well as in special activities such as maternal and child health, industrial hygiene, cancer control and medical care.

Courses may be taken singly, on approval of the head of the department concerned. For further information, apply to the Secretary of the School, at 55 Shattuck Street.

OPPORTUNITIES FOR RESEARCH

The research laboratories of the Medical School and its associated hospitals offer to students exceptional opportunities for training in research. Medical students with a special interest in some branch of the medical sciences or who wish to become familiar with investigative and research methods may devote their spare time to intensive work on a well defined problem. Such research may be conducted on a completely informal basis by mutual arrangement between the students and a member of the teaching staff, or under the Tutorial System.

The Tutorial System was established in 1923 for the specific purpose of encouraging and facilitating research by undergraduate medical students. There are three Tutors, one in the Preclinical Sciences, one in Medicine, and one in Surgery, to guide students into research in those fields. Students interested in research under the Tutorial System should consult the Tutor in Preclinical Sciences, who will assist them in being placed with the

member of the Faculty best fitted for their particular needs. This may be done at any time, but preferably during the second semester of the first year. It is thereby possible for students to pursue a particular line of investigation under the guidance of a faculty member throughout their first three years of medical school. In addition, the Tutors will arrange series of seminars for students of each class who are interested in research.

In the fourth year, the Faculty permits students who have shown promise in extracurricular research to devote a considerable portion of their time to a specific problem in one of the basic medical sciences or major clinical division. This privilege is granted to not more than fifteen per cent of any class and only to students who rank in the upper half of their class. Students seeking this privilege should apply in writing before April 1st of their third year to the Chairman of the Tutorial System, stating their plan of work, and not only must obtain the approval of the Tutorial System, acting as a committee, but also of the man under whose guidance the actual work will be done. Each application is then considered individually by the Administrative Board for final approval on recommendation of the members of the Tutorial System. If his application is approved, the student may have four to six months of his fourth year free to engage in research.

PREDOCTORAL FELLOWSHIPS

The Faculty permits students to withdraw from their formal medical training after the first, second, or third years to pursue research intensively for a year. A number of predoctoral fellowships are available for the support of such research training. Students interested in availing themselves of this opportunity should inquire of the Chairman of the Tutorial System.

THE UNDERGRADUATE ASSEMBLY

The Undergraduate Assembly, held late in the spring of each year under student auspices, provides an opportunity for students from all classes to present formally the results of their investigations to the students and Faculty of the Medical School.

DIVISION OF STUDIES

Total Number of Hours for Each Subject

FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR	
Anatomy	280	Bacteriology	144	Medicine	213	Medicine	288
Histology	280	Pathology (including Parasitology and Neuropathology)	335	Dermatology	37	Surgery	288
Physiology	256	Pharmacology	160	Neurology	31	Obstetrics	144
Biochemistry	232	Laboratory Diagnosis	100	Psychiatry	48	Pediatrics	144
Medical Psychology	10	Physical Diagnosis	136	Ophthalmology	31	Psychiatry	144
		Surgery	75	Surgery	175	Elective	144
		Obstetrics	12	Gynaecology	33		
		Neurology and Psychiatry	16	G. U. Surgery	33		
				Laryngology	33		
				Otology	32		
				Orthopaed. Surgery	38		
				Obstetrics	128		
				Pediatrics	68		
				Preventive Medicine	124		
				Legal Medicine	12		

ANNOUNCEMENT OF COURSES *

The "Announcement of Courses" comprises a statement by each department as to its general plan of instruction and its various required exercises, followed by a résumé of the Fourth Year Elective Courses and the Voluntary Courses.

Each student in the fourth year must secure credit for eight one-month courses of 144 hours or their equivalent. Required courses fill seven months' time, leaving one month free for elective work. In the following statements whole courses have a value of 144 hours, half-courses of 72 hours, and quarter-courses of 36 hours.

An opportunity for voluntary work is offered to second and third year students on Tuesday and Thursday afternoons. It is believed that upperclassmen will welcome a chance to keep in touch with the most recent developments in the fundamental sciences; that an interest in certain fundamental subjects will have been aroused by their clinical work; or that they may feel the desire for additional training on some point. Students are not required or even asked to take this work. It is entirely a voluntary matter, and no credit will be given.

There are also opportunities for association with voluntary groups interested in studying the more general aspects of medicine, including the economic, social and historical aspects.

Anatomy

George B. Wislocki, M.D., *Hersey Professor of Anatomy* and *James Stillman Professor of Comparative Anatomy*, and *Head of the Department.*
Edward W. Dempsey, Ph.D., *Associate Professor of Anatomy.*
Roy O. Greep, Ph.D., *Associate Professor of Dental Science.*
Franklin F. Snyder, M.D., *Associate Professor of Anatomy and Obstetrics.*
Marcus Singer, Ph.D., *Assistant Professor of Anatomy.*
Helen W. Deane, Ph.D., *Associate in Anatomy.*
Edward A. Edwards, M.D., *Clinical Associate in Anatomy.*

Abbreviations used in the following pages, and in the tabular views:

B.C.H.	= Boston City Hospital.	I.H.	= Infant's Hospital (Rotch Memorial).
B.I.H.	= Beth Israel Hospital.	M.C.S.	= Middlesex County Sanatorium.
B.L.I.H.	= Boston Lying-in Hospital.	M.E.E.I.	= Massachusetts Eye and Ear Infirmary.
B.P.H.	= Boston Psychopathic Hospital.	M.G.H.	= Massachusetts General Hospital.
C.H.	= Children's Hospital.	N.E.D.H.	= New England Deaconess Hospital.
F.H.W.	= Free Hospital for Women.	P.B.B.H.	= Peter Bent Brigham Hospital.
H.G.S.	= House of the Good Samaritan.	S.D.M.	= School of Dental Medicine.
H.M.S.	= Harvard Medical School.	S.P.H.	= School of Public Health.
H.M.H.	= Haynes Memorial Hospital.		

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* Special pamphlets are issued describing the opportunities for elective and voluntary work and outlining the conditions under which such work may be undertaken.

Don W. Fawcett, M.D., *Associate in Anatomy.*
Charles M. Waldo, D.D.S., S.M., *Research Associate in Anatomy* and *Associate Professor of Orthodontics.*
George E. Erikson, Ph.D., *Instructor in Anatomy* and *Assistant Professor of General Education and Biology.*
Johannes P. Kulka, M.D., *Instructor in Anatomy.*
Elizabeth H. Leduc, Ph.D., *Instructor in Anatomy.*
Russell J. Barnett, M.D., *Research Fellow in Anatomy.*
Charles P. Lyman, Ph.D., *Research Fellow in Anatomy.*
George F. Odland, M.D., *Research Fellow in Anatomy.*
Peter T. Brooks, M.D., *Teaching Fellow in Anatomy.*
William D. Shorey, M.D., *Teaching Fellow in Anatomy.*

In the Department of Anatomy, instruction is given in gross human anatomy, histology, neurology, and embryology. Opportunities are also afforded for advanced work and investigation in these subjects.

The department occupies the Morgan Anatomical Building, the dissecting rooms being in the wing designated B I, and the laboratories for histology and embryology in the wing B II. There are separate rooms for fourth year and graduate students and for various kinds of technical work. The class work is carried on by sections in unit rooms, designed to accommodate either twelve or twenty-four students. There is a large library which contains complete files of the most important anatomical and morphological journals, together with many standard works of reference, and in an adjoining room there is a collection of about fifteen thousand pamphlets. A card catalogue and a classified bibliography give ready access to the literature.

The embryological collection is a unique feature of the laboratory. It comprises about twenty-three hundred series of sections of carefully selected vertebrate embryos, and affords therefore opportunities for research in comparative embryology such as cannot be found elsewhere. The collection includes eighty series of sections of human embryos, several of which are of exceptional value, among them being two of the very youngest stages of man yet obtained. The collection of embryological models contains the standard series and many unique original models.

Required Courses

Anatomy A and B. *First Year.*—The courses of the first year are intended to teach human anatomy, both gross and microscopic, together with the essentials of human embryology and neurology. Half of the time is devoted to work in the dissecting room, the other half to work in the histological and embryological laboratories.

In the study of gross anatomy, students make a complete dissection of one

half of the human body, and all of the class dissect the same part at the same time. Four students will be assigned to the same subject, and will work together during the course. The study of the skeleton is carried on with the dissection, and each student will be provided with a box of bones which may be kept throughout the course. There will be lectures or demonstrations which are arranged to correspond as closely as possible with the work in the dissecting room. These lectures not only will serve as a guide to the regular work in the dissecting room, but also will be used to emphasize those details of human anatomy which the student cannot easily study for himself in his own dissection. Special dissections made by prosectors from the second year class, frozen sections, and various anatomical specimens and preparations will be displayed each day to illustrate and supplement that part of the subject treated in the lecture, or about to be studied in the dissecting room. Students are urged to examine these specimens carefully, and to discuss them informally with the instructors. Students will be quizzed each week on their work in the laboratory by the instructors in charge of their section.

The part of the course dealing with microscopic anatomy is designed to give the student a familiarity with the normal appearances of cells, tissues and organs. As much as is possible in a brief course, the development of tissues and organs is stressed. Opportunity is also given to some extent for the study of fresh tissues. The use of fresh tissues is intended to acquaint the student with the structure of living cells and with evidence of cellular functions. Demonstrations are given from time to time to present the range of histological technique.

The last five weeks of the course of microscopic anatomy are devoted to the study of the central nervous system. The student is given an opportunity to become familiar with the positions and relations of the principal nuclei and tracts of the nervous system by the study of gross specimens and of serial sections through the brain stem. Emphasis is laid on the anatomico-physiological point of view.

FIRST YEAR	HOURS
Lectures. Drs. Dempsey, Greep, Snyder, Singer, Fawcett, Edwards and Deane. *Six lectures a week, first half-year.*	96
Demonstrations. *To sections of the class, at the pleasure of the instructors.*	
Laboratory work. *Twenty-nine hours a week, first half-year.*	464

Fourth Year Elective Courses

1. Surgical Anatomy. Drs. Edwards and Fawcett. Whole course, one month.
20. Investigation. Drs. Wislocki, Dempsey, Singer and Staff. Opportunities are offered for students who wish to do special or advanced work.

Voluntary Courses

30. Clinical Applied Anatomy. Saturdays, 9 to 10 A.M., first half-year, P.B.B.H. and M.G.H. Open to first year students. (Same course as Surgery 31.)

Physiology

Eugene M. Landis, M.D., Ph.D., S.M. (hon.), *George Higginson Professor of Physiology* and *Head of the Department.*
John R. Pappenheimer, Ph.D., *Associate in Physiology.*
Paul A. Nicoll, Ph.D., *Research Associate in Physiology.*
A. Clifford Barger, M.D., *Instructor in Physiology.*
Paul O. Chatfield, M.D., *Instructor in Physiology.*
Ralph H. Kellogg, M.D., *Instructor in Physiology.*
Juanita P. Garcia, S.B., *Assistant in Physiology.*
Henry S. Badeer, M.D., *Research Fellow in Physiology.*
Arthur F. Battista, M.D., *Research Fellow in Physiology.*
H. Luis M. Borrero, M.D., *Research Fellow in Physiology.*
W. Richard Burack, *Research Fellow in Physiology.*
Albert I. C. DeFriez, M.D., *Research Fellow in Physiology.*
Horacio Figueroa, M.D., *Research Fellow in Physiology.*
Robert E. Forster, II, M.D., *Research Fellow in Physiology.*
Carl W. Gottschalk, M.D., *Research Fellow in Physiology.*
James Metcalfe, M.D., *Research Fellow in Physiology.*
Carlos Rapela, M.D., *Research Fellow in Physiology.*
Benson B. Roe, M.D., *Research Fellow in Physiology.*
Harold Scarborough, M.D., *Research Fellow in Physiology* (to October 15, 1948).
Daniel C. Tosteson, *Research Fellow in Physiology* (to September 1, (1948).
Edward P. Radford, Jr., M.D., *Teaching Fellow in Physiology.*

Required Course

Physiology A. *First Year.*—The lectures of this course are designed to acquaint the student with the more fundamental aspects of physiology and to consider in detail those portions of the subject that are essential to an understanding of the phenomena of health and disease in man.

By means of laboratory exercises the student is introduced as rapidly as possible to the observational methods and techniques available for studying function in man. Then equal emphasis is placed upon exercises illustrating in animals the experimental procedures employed for the detailed analysis

of function and for the acquisition of a fundamental knowledge of physiology.

Conferences and demonstrations supplement the more formal instruction.

FIRST YEAR

HOURS

Lectures and Laboratory work. Drs. Landis, Pappenheimer, Chatfield, Barger, and Kellogg. *Three days a week, second half-year.* 256

Fourth Year Elective Course

20. Physiological Investigation. Drs. Landis, Pappenheimer, Chatfield, Barger and Kellogg. Students will not ordinarily be received for less than two months.

Physical Chemistry

Edwin J. Cohn, Ph.D., S.D. (hon.), M.D. (hon.), *Higgins University Professor* and *Director of the University Laboratory of Physical Chemistry Related to Medicine and Public Health.*

John T. Edsall, M.D., *Associate Professor of Biological Chemistry* and *Chairman of the Board of Tutors in Biochemical Sciences.*

John L. Oncley, Ph.D., *Associate Professor of Physical Chemistry* and *Acting Head of the Department.*

*Arthur K. Solomon, Ph.D., *Assistant Professor of Physical Chemistry.*

Walter L. Hughes, Jr., Ph.D., *Associate in Physical Chemistry.*

Barbara W. Low, Ph.D., *Associate in Physical Chemistry.*

Dwight J. Mulford, Ph.D., *Associate in Physical Chemistry* and *Tutor in Biochemical Sciences.*

Frank R. N. Gurd, Ph.D., *Research Associate in Physical Chemistry.*

Norman R. S. Hollies, Ph.D., *Research Associate in Physical Chemistry.*

Charles V. Robinson, Ph.D., *Research Associate in Physical Chemistry.*

Douglas MacN. Surgenor, S.M., *Research Associate in Physical Chemistry.*

Charles Tanford, Ph.D., *Research Associate in Physical Chemistry.*

Benjamin A. Barnes, M.D., *Research Fellow in Physical Chemistry.*

Walter R. Dandliker, Ph.D., *Research Fellow in Physical Chemistry.*

Harold Edelhoch, Ph.D., *Research Fellow in Physical Chemistry.*

Drummond Ellis, B.Sc., *Research Fellow in Physical Chemistry.*

James M. Gillespie, M.Sc., *Research Fellow in Physical Chemistry.*

Richard W. Greene, M.D., *Milton Fellow.*

Margaret J. Hunter, Ph.D., *Research Fellow in Physical Chemistry.*

Friedrich W. Kahnt, Ph.D., *Research Fellow in Physical Chemistry.*

* Appointment under Committee on Medical Research in Biophysics.

Jacques Lewin, M.D., *Research Fellow in Physical Chemistry.*
Hans Nitschmann, Ph.D., *Research Fellow in Physical Chemistry.*
Karl Schmid, Ph.D., *Research Fellow in Physical Chemistry.*
Rudolph Strassle, Ph.D., *Research Fellow in Physical Chemistry.*

The Department of Physical Chemistry in the Medical School is concerned with the physical chemistry of physiological systems and the characterization of their components, such as water, electrolytes, amino acids, peptides, phospholipoids, proteins and lipoproteins in terms of physical constants defining their behavior. Special courses of investigation may be arranged to meet the needs of individual students.

Fourth Year Elective Course

20. Research in the Chemistry of Biological Substances and Systems. Drs. Cohn, Edsall, and Oncley. Investigation. Not less than one full course.

Voluntary Course

34. Advanced Biological Chemistry. Physical Chemistry of Proteins and Other Biological Substances. Drs. Cohn, Edsall, Oncley, and Associates. Tuesday and Thursday afternoons throughout the year. Lecture and Laboratory work.

Biological Chemistry

Eric G. Ball, Ph.D., S.D. (hon.), *Professor of Biological Chemistry.*
Cyrus H. Fiske, M.D., *Professor of Biological Chemistry.*
A. Baird Hastings, Ph.D., S.D. (hon.), *Hamilton Kuhn Professor of Biological Chemistry* and *Head of the Department.*
Christian B. Anfinsen, Ph.D., *Assistant Professor of Biological Chemistry* and *Markle Scholar in Medical Science.*
Halvor N. Christensen, Ph.D., *Assistant Professor of Biological Chemistry.*
Jorge Folch-Pi, M.D., *Assistant Professor of Biological Chemistry at McLean Hospital.*
Ralph W. McKee, Ph.D., *Assistant Professor of Biological Chemistry.*
*DeWitt Stetten, Jr., M.D., Ph.D., *Assistant Professor of Biological Chemistry* (resigned August 31, 1948).
Harry C. Trimble, Ph.D., *Assistant Professor of Biological Chemistry.*
Fritz A. Lipmann, M.D., Dr.Phil., *Associate in Biological Chemistry at the Massachusetts General Hospital.*
Claude A. Villee, Jr., Ph.D., *Associate in Biological Chemistry* and *Tutor in the Preclinical Sciences.*

* Appointment under Committee on Medical Research in Biophysics.

Lewis L. Engel, Ph.D., *Research Associate in Biological Chemistry and Medicine.*

Manfred L. Karnovsky, Ph.D., *Research Associate in Biological Chemistry.*

Edward H. Frieden, Ph.D., *Instructor in Biological Chemistry.*

F. Lee Rodkey, Ph.D., *Instructor in Biological Chemistry.*

Kurt Aterman, M.D., *Research Fellow in Biological Chemistry.*

Charles H. DuToit, M.D., *Research Fellow in Biological Chemistry.*

Edmund B. Flink, M.D., Ph.D., *Research Fellow in Biological Chemistry* and *Fellow of the Commonwealth Fund.*

James E. Garvin, M.D., *Research Fellow in Biological Chemistry.*

William F. Loomis, M.D., *Research Fellow in Biological Chemistry* and *Fellow of the National Research Council.*

Hermann Niemeyer, M.D., *Research Fellow in Biological Chemistry.*

John W. Raker, M.D., *Milton Fellow.*

Per F. Scholander, M.D., *Special Research Fellow in Biological Chemistry.*

Fritz Steckerl, M.D., *Research Fellow in Biological Chemistry.*

Harry B. Stoner, M.D., *Research Fellow in Biological Chemistry.*

Isaac M. Taylor, M.D., *Research Fellow in Biological Chemistry* and *Fellow of the National Research Council.*

Ching-tseng Teng, M.D., *Research Fellow in Biological Chemistry.*

Yale J. Topper, Ph.D., *Research Fellow in Biological Chemistry.* (Resigned August 31, 1948.)

James L. Tullis, M.D., *Research Fellow in Biological Chemistry* and *Fellow of the International Cancer Research Foundation.*

John M. Weller, M.D., *Research Fellow in Biological Chemistry* and *Fellow of the American College of Physicians.*

Jin H. Kinoshita, A.B., *Teaching Fellow in Biological Chemistry.*

F. Marott Sinex, A.M., *Teaching Fellow in Biological Chemistry.*

Cornelius F. Strittmatter, 4th, S.B., *Teaching Fellow in Biological Chemistry.*

Fredrick J. Stare, Ph.D., M.D., *Professor of Nutrition.*

David M. Hegsted, Ph.D., *Associate Professor of Nutrition.*

Robert E. Olson, Ph.D., *Student Fellow in Nutrition.*

Required Course

Biological Chemistry A. *First Year.* — The lectures in this course consist of a brief discussion of the theories of chemical constitution and a survey of those classes of chemical substances which are to be found in animals and plants, and of the general principles and more important facts of physiological chemistry.

The laboratory practice is designed to acquaint the student with some of

the more important constituents of living matter and their chemical behavior, and with some of the routine methods of biochemical investigation.

Conferences and discussions of selected topics supplement the main work of the course.

FIRST YEAR HOURS

Lectures and Laboratory work. Drs. Hastings, Ball, Stare, Anfinsen, Hegsted, McKee, Trimble, Villee, and Assistants. *Three times a week, second half-year.* 232

Fourth Year Elective Course

20. Research. Drs. Hastings, Ball, Stare, Anfinsen, Folch-Pi, Hegsted, McKee, Trimble, Engel, Lipmann, and Villee. Students who are especially interested in methods and problems of biological chemistry will be given opportunity to do advanced work.

Voluntary Courses

30. Advanced Biological Chemistry. Dr. Hastings. First semester. Time to be arranged.
31. Clinical Nutrition. Dr. Stare and Associates. Time to be arranged.

Bacteriology

George Packer Berry, M.D., LL.D., D.Sc., *Professor of Bacteriology* and *Dean of the Faculty of Medicine.*

J. Howard Mueller, Ph.D., *Charles Wilder Professor of Bacteriology and Immunology* and *Head of the Department.*

Monroe D. Eaton, M.D., *Associate Professor of Bacteriology and Immunology.*

John F. Enders, Ph.D., *Associate Professor of Bacteriology and Immunology.*

F. Sargent Cheever, M.D., *Silas Arnold Houghton Assistant Professor of Bacteriology and Immunology.*

Albert H. Coons, M.D., *Associate in Bacteriology and Immunology.*

Louis L. Dienes, M.D., *Lecturer on Bacteriology and Immunology.*

John H. Hanks, Ph.D., *Lecturer on Bacteriology and Immunology.*

William A. Hinton, M.D., *Lecturer on Bacteriology and Immunology.*

Clarke T. Gray, Ph.D., *Research Associate in Bacteriology and Immunology.*

Telford G. Maple, Ph.D., *Research Associate in Bacteriology and Immunology.*

Robert A. MacCready, M.D., *Instructor in Bacteriology and Immunology.*

Robert Rustigian, Ph.D., *Instructor in Bacteriology and Immunology.*

Lewis W. Kane, M.D., *Assistant in Bacteriology and Immunology.*

Barbara K. Watson, Ph.D., *Assistant in Bacteriology and Immunology.*
I. Tsung Cheng, M.D., *Research Fellow in Bacteriology and Immunology.*
Ling S. Chu, M.D., *Research Fellow in Bacteriology and Immunology.*
Tien H. Chu, M.D., *Research Fellow in Bacteriology and Immunology.*
Ruth M. Drew, S.M., *Research Fellow in Bacteriology and Immunology.*
Kang Fang, B.Sc., *Research Fellow in Bacteriology and Immunology.*
Nusret Fisek, M.D., *Research Fellow in Bacteriology and Immunology.*
Thomas E. Frothingham, *Harold C. Ernst Fellow in Bacteriology and Immunology.*
Angel C. Guerra, M.D., *Research Fellow in Bacteriology and Immunology.*
Alan G. S. Hill, M.B., Ch.B., *Research Fellow in Bacteriology and Immunology.*
Paul D. Hoeprich, M.D., *Research Fellow in Bacteriology and Immunology.*
Calderon Howe, M.D., *Research Fellow in Bacteriology and Immunology.*
Chi-to Huang, M.B., *Research Fellow in Bacteriology and Immunology.*
Marian E. Koshland, Ph.D., *Research Fellow in Bacteriology and Immunology.*
Edwin M. Lerner, M.D., *Research Fellow in Bacteriology and Immunology.*
Wan C. Lu, S.M., *Research Fellow in Bacteriology and Immunology.*
Boris Magasanik, Ph.D., *Harold C. Ernst Fellow in Bacteriology and Immunology.*
Willard C. Schmidt, M.S., *Research Fellow in Bacteriology and Immunology.*
Darrell B. Pratt, S.M., *Teaching Fellow in Bacteriology and Immunology.*

John C. Snyder, M.D., *Professor of Public Health Bacteriology.*
Cutting B. Favour, M.D., *Associate in Medicine.*
Fritz A. Lipmann, M.D., Ph.D., *Associate in Biological Chemistry.*
Marianna R. Bovarnick, Ph.D., *Research Associate in Public Health Bacteriology.*
Sidney Cohen, M.D., *Instructor in Medicine.*

The personnel and equipment of the Department of Bacteriology are prepared to supply instruction and opportunities for investigation to properly qualified undergraduate and graduate students in general bacteriology, pathogenic bacteriology, and the problems of immunity.

Required Course

Bacteriology A. *Second Year.* — The required course for medical students is taught by lectures, laboratory work, and conferences. Stress in this course is laid upon those parts of bacteriology and immunology which are directly pertinent to the pathology of infectious disease, its practical diag-

nosis and treatment. The students are introduced as rapidly as possible to the medical problems of bacteriology, and the subjects taught are illustrated by material obtained from the associated hospitals. Immunological and seriological technic in its practical aspects is dealt with by group instruction, and the preventive aspects of the physician's duties in relation to infectious diseases are considered as thoroughly as time permits.

SECOND YEAR HOURS

Lectures. Drs. MUELLER, EATON, CHEEVER, and Staff. *Mondays, Wednesdays, and Fridays, first half-year.* 48

Laboratory work. Drs. MUELLER, EATON, CHEEVER, and Staff. *Two hours, Mondays, Wednesdays, and Fridays, first half-year.* 96

FOURTH YEAR ELECTIVE COURSE

20. Research. The Department of Bacteriology offers opportunity for special study for one or more months. Students will be accepted for such work and the nature of their studies will be determined by individual conferences between the applicants and members of the staff of the department.

VOLUNTARY COURSES

30. Research. Opportunity for research will be given to qualified students upon consultation with members of the staff.

32. Immunity and Serology. Drs. COONS, RUSTIGIAN and Staff. Seminars and laboratory work. Time to be arranged. Open to second, third, and fourth year students and graduates.

33*a*. Applied Immunology (Serums and Vaccines). Dr. EDSALL. Massachusetts State Antitoxin Laboratory. Open to third year students and to students especially qualified. Limited to a few properly qualified students. Application should be made to Dr. EDSALL at the Laboratory.

33*b*. Clinical Bacteriology. Tuesdays and Thursdays. B.C.H. Limited to a few students from the third and fourth year classes and will not be given for less than four. Application and arrangements must be made in advance.

34. Viruses. Drs. EATON and CHEEVER. Time to be arranged. Open to third and fourth year students. Limited to ten students.

Pathology

SIDNEY FARBER, M.D., *Professor of Pathology at the Children's Hospital.*

ARTHUR T. HERTIG, M.D., *Professor of Pathology at the Boston Lying-in Hospital and at the Free Hospital for Women.*

TRACY B. MALLORY, M.D., *Professor of Pathology at the Massachusetts General Hospital* and *Acting Head of the Department.*

Shields Warren, M.D., *Professor of Pathology at the New England Deaconess Hospital.*
Frederic Parker, Jr., M.D., *Associate Professor of Pathology.*
Orville T. Bailey, M.D., *Assistant Professor of Pathology.*
Monroe J. Schlesinger, M.D., *Assistant Professor of Pathology at the Beth Israel Hospital.*
Benjamin Castleman, M.D., *Associate in Pathology at the Massachusetts General Hospital.*
Samuel P. Hicks, M.D., *Associate in Pathology at the New England Deaconess Hospital.*
William A. Meissner, M.D., *Associate in Pathology at the New England Deaconess Hospital.*
J. LeRoy Conel, Ph.D., *Research Associate in Pathology.*
Olive Gates, M.D., *Research Associate in Pathology.*
Joseph D. Boggs, M.D., *Instructor in Pathology.*
Israel Diamond, M.D., *Instructor in Pathology.*
Herbert Fanger, M.D., *Instructor in Pathology.*
David G. Freiman, M.D., *Instructor in Pathology.*
Johannes P. Kulka, M.D., *Instructor in Pathology.*
Benjamin H. Landing, M.D., *Instructor in Pathology.*
Philip M. LeCompte, M.D., *Instructor in Pathology.*
G. Kenneth Mallory, M.D., *Instructor in Pathology.*
Donald G. McKay, M.D., *Instructor in Pathology.*
Oscar Rambo, M.D., *Instructor in Pathology.*
Stanley L. Robbins, M.D., *Instructor in Pathology.*
Reuben Z. Schulz, M.D., *Instructor in Pathology.*
Robert E. Scully, M.D., *Instructor in Pathology.*
Ronald C. Sniffen, M.D., *Instructor in Pathology.*
Stephen B. Andrus, M.D., *Assistant in Pathology.*
Donald E. Brown, M.D., *Assistant in Pathology.*
John M. Craig, M.D., *Assistant in Pathology.*
Maurice M. Pechet, M.D., *Assistant in Pathology.*
Sheldon C. Sommers, M.D., *Assistant in Pathology.*
Melvin B. Black, M.D., *Research Fellow in Pathology.*
David L. Coffin, V.M.D., *Research Fellow in Pathology.*
Frank J. Dixon, M.D., *Research Fellow in Pathology.*
John H. Flynn, M.D., *Research Fellow in Pathology.*
Lloyd C. Fogg, M.D., *Research Fellow in Pathology.*
Richard Ford, M.D., *Research Fellow in Pathology.*
Harrison Latta, M.D., *Research Fellow in Pathology.*
Horatio P. Wakefield, M.D., *Research Fellow in Pathology.*
Dante F. Campagna-Pinto, M.D., *Teaching Fellow in Pathology.*

George W. Curtis, M.D., *Teaching Fellow in Pathology.*
Betty B. Geren, M.D., *Teaching Fellow in Pathology.*
Arthur C. Gorbach, Jr., M.D., *Teaching Fellow in Pathology.*
William Jaques, M.D., *Teaching Fellow in Pathology.*
Jane C. MacMillan, M.D., *Teaching Fellow in Pathology.*
James F. Olley, M.D., *Teaching Fellow in Pathology.*
Tom D. Raaen, M.D., *Teaching Fellow in Pathology.*
Bruce H. Smith, Jr., M.D., *Teaching Fellow in Pathology.*

Required Course

Pathology A. *Second Year.*—The second year course in pathology is planned as a systematic survey of pathology. It consists of lectures, laboratory study of pathologic histology and demonstrations of gross pathologic material, partly from fixed specimens drawn from the Warren Museum, but more extensively from demonstrations of fresh autopsy and surgical material in the laboratories of the affiliated hospitals. Students visit in rotation the Pathology Laboratories of the Boston City Hospital, Massachusetts General Hospital, Peter Bent Brigham Hospital, Children's Hospital, Beth Israel Hospital, the Free Hospital for Women and the New England Deaconess Hospital.

Lectures are given three days in the week by the staff. The course is divided roughly, though not sharply, into general and special pathology, covering in the first part of the year basic pathologic processes, such as tissue injury and repair, inflammation, tissue responses to specific infectious agents and neoplasia. In the second half of the course the diseases of the important organs and systems are considered in some detail. The pathology of the eye is covered in collaboration with the Department of Ophthalmology.

Courses in Parasitology and Neuropathology are given separately by the respective departments. The course in Clinical Pathology is under the direction of the Department of Medicine.

SECOND YEAR	HOURS
Lectures, Dr. Mallory and Staff. *Mondays, Wednesdays, and Fridays, for twenty-six weeks.*	76
Laboratory work. Dr. Mallory and Staff. *Two and a half hours, Mondays, Wednesdays, and Fridays, first half-year. Section work. Two hours, Mondays, Wednesdays, and Fridays, November and December.*	175

Fourth Year Elective Courses

1. Advanced Pathology. Dr. T. B. Mallory. M.G.H. Whole course, all day, or half-course, afternoons, first half-year.

2. Advanced Pathology. Dr. Parker. B.C.H. Whole course, all day, for one or more months during the school year.
4. The Pathology of the Endocrine Diseases. Dr. S. Warren. N.E.D.H. Whole course, all day, offered throughout the school year.
5. The Pathology of Tumors. Dr. S. Warren. N.E.D.H. Whole course, all day, for one or more months during the school year.
7. Advanced Pathology. Dr. S. Farber. C.H. Whole course, all day, for one or more months during the school year.
8. Advanced Pathology. Dr. M. J. Schlesinger. B.I.H. Whole course, all day, for one or more months during the school year.

Voluntary Course

30. Biologic Aspects of Reactions to Injury. October, Thursdays, 2:00–4:30 p.m. H.M.S. Open to second year students.

Tropical Public Health

The following course is given by members of the Faculty of the Harvard School of Public Health.

Donald L. Augustine, S.D., S.D. (hon.), *Professor of Tropical Public Health* and *Executive Head of the Department.*
Quentin M. Geiman, Ph.D., *Associate Professor of Tropical Public Health.*
Thomas H. Weller, M.D., *Associate Professor of Tropical Public Health.*
Albert A. Hornor, M.D., *Instructor in Tropical Public Health.*
Ruth A. Thomas, M.P.H., *Instructor in Tropical Public Health.*

Required Course

Parasitology A. *Second Year.*—The important helminth and protozoan parasites of man are considered with reference to their geographic distribution, identification, mode of transmission, pathogenesis, immune reactions and methods for prevention and control. Clinical aspects and chemotherapy of parasitic diseases are discussed. Emphasis is given to methods of laboratory diagnosis. Arthropods of parasitological importance are briefly surveyed with special consideration of insects related to human disease.

SECOND YEAR	HOURS
Lectures, demonstrations, and laboratory work. Dr. Augustine and Staff. H.M.S. *Tuesdays, Thursdays, and Saturdays, 10 to 1, November 28–December 21.*	30

FOURTH YEAR ELECTIVE COURSE

20. Research in protozoölogy, helminthology, medical entomology and tropical medicine, may be arranged for qualified students. Dr. AUGUSTINE and Staff.

Pharmacology

HENRY K. BEECHER, M.D., *Henry Isaiah Dorr Professor of Research in Anaesthesia.*

OTTO KRAYER, M.D., *Associate Professor of Comparative Pharmacology* and *Head of the Department.*

DOUGLAS S. RIGGS, M.D., *Associate in Pharmacology.*

FELIX G. BERGMANN, M.D., *Research Associate in Pharmacology.*

FREDERICK C. UHLE, PH.D., *Research Associate in Pharmacology.*

DALE G. FRIEND, M.D., *Instructor in Pharmacology.*

AVRAM GOLDSTEIN, M.D., *Instructor in Pharmacology.*

ARTHUR J. LINENTHAL, M.D., *Instructor in Pharmacology and Medicine.*

EDWARD A. CARR, JR., M.D., *Research Fellow in Pharmacology.*

MELCHIOS REITER, M.D., *Research Fellow in Pharmacology.*

MARY A. ROOT, A.B., *Research Fellow in Pharmacology.*

EVERT F. VAN MAANEN, M.D., *Milton Fellow.*

ALBERT WOLLENBERGER, PH.D., *Research Fellow in Pharmacology.*

REQUIRED COURSE

PHARMACOLOGY A. *Second Year.* The course in Pharmacology consists of lectures, demonstrations, experimental laboratory exercises and conferences. The students have an opportunity to learn about the fundamental pharmacological and toxicological concepts and to become acquainted with the important drugs. Emphasis is placed on the mode of action of pharmacological agents in such a way as to provide the student with a rational basis for the study of therapeutics with drugs. The analysis of pharmacological effects is based on experimental and clinical facts obtained from studies in man and animals. In the laboratory, stress is laid on observation and interpretation by the student.

SECOND YEAR	HOURS
Lectures. Dr. KRAYER and Staff. *One hour, three times a week: Tuesdays, Thursdays and Saturdays, first half-year; Mondays, Wednesdays and Fridays, second half-year.*	84
Laboratory work and Conferences. Dr. KRAYER and Staff. *Three hours alternating for half the class.*	58

FOURTH YEAR ELECTIVE COURSES

20. Research in Pharmacology.
20a. Substances affecting the circulatory system. Dr. KRAYER.
20b. Substances affecting the autonomic nervous system. Dr. KRAYER.

Legal Medicine

ALAN R. MORITZ, M.D., *Frances Glessner Lee Professor of Legal Medicine* and *Head of the Department* (resigned August 31, 1949).
RICHARD FORD, M.D., *Assistant Professor of Legal Medicine* and *Acting Head of the Department.*
WALTER W. JETTER, M.D., S.M., *Assistant Professor of Legal Medicine.*
JOSEPH T. WALKER, PH.D., *Associate in Legal Medicine.*
REGINA MCLEAN, S.B., *Assistant in Legal Medicine.*
LESTER ADELSON, M.D., *Research Fellow in Legal Medicine.*
LEON P. ANDREWS, M.D., *Research Fellow in Legal Medicine.*
ROBERT P. BRITTAIN, M.B., CH.B., LL.B., *Research Fellow in Legal Medicine.*
RUSSELL S. FISHER, M.D., *Research Fellow in Legal Medicine.*
MICHAEL A. LUONGO, M.D., *Research Fellow in Legal Medicine.*
MITCHELL A. SPYKER, M.D., *Research Fellow in Legal Medicine.*
JAMES R. TEABEAUT, II, M.D., *Research Fellow in Legal Medicine.*
WOODROW W. WEISS, M.D., *Research Fellow in Legal Medicine.*

REQUIRED COURSE

Third Year.—Twelve lectures. The circumstances in which medical evidence is essential to the administration of justice. Mechanisms and pathological characteristics of injuries most frequently responsible for litigation. Laws and legal principles relating to the practice of medicine and to the settlement of malpractice claims.

THIRD YEAR	HOURS
Lectures. Dr. MORITZ and Staff. H.M.S. *First twelve Fridays of the first half-year, at* 4.15 P.M.	12

Medicine

Under this Division are included Medicine and the specialties relating chiefly to Medicine:—Dermatology, Diseases of the Nervous System (Neurology, Neuropathology, and Psychiatry), Ophthalmology, and Radiology.

MEDICINE

JOSEPH C. AUB, M.D., *Professor of Research Medicine* and *Director of the Medical Laboratories of the Collis P. Huntington Memorial Hospital* and *Chairman of the Department.*

Herrman L. Blumgart, M.D., *Professor of Medicine* and *Head of the Department at the Beth Israel Hospital.*

C. Sidney Burwell, M.D., LL.D., *Research Professor of Clinical Medicine.*

William B. Castle, M.D., S.M. (hon.), M.D. (hon.), *Professor of Medicine* and *Head of the Department at the Boston City Hospital.*

James H. Means, M.D., *Jackson Professor of Clinical Medicine* and *Head of the Department at the Massachusetts General Hospital.*

George W. Thorn, M.D., *Hersey Professor of the Theory and Practice of Physic* and *Head of the Department at the Peter Bent Brigham Hospital.*

Fuller Albright, M.D., *Associate Professor of Medicine.*

Walter Bauer, M.D., *Associate Professor of Medicine.*

Maxwell Finland, M.D., *Associate Professor of Medicine.*

Chester M. Jones, M.D., S.D. (hon.), *Clinical Professor of Medicine.*

Samuel A. Levine, M.D., *Clinical Professor of Medicine.*

Benjamin Alexander, M.D., *Assistant Professor of Medicine at the Beth Israel Hospital.*

Mark D. Altschule, M.D., *Assistant Professor of Medicine at the McLean Hospital (M.G.H.) and at the Beth Israel Hospital.*

Charles S. Davidson, M.D., *Assistant Professor of Medicine.*

Lewis Dexter, M.D., *Assistant Professor of Medicine* and *Tutor in Medicine.*

Laurence B. Ellis, M.D., *Assistant Clinical Professor of Medicine.*

Kendall Emerson, Jr., M.D., *Assistant Professor of Medicine.*

Eugene C. Eppinger, M.D., *Assistant Professor of Medicine.*

Seymour J. Gray, M.D., *Assistant Professor of Medicine.*

T. Hale Ham, M.D., *Assistant Professor of Medicine.*

Henry Jackson, Jr., *Assistant Professor of Medicine.*

Marian W. Ropes, M.D., *Assistant Professor of Medicine.*

Paul C. Zamecnik, M.D., *Assistant Professor of Medicine at the Massachusetts General Hospital.*

F. Dennette Adams, M.D., *Clinical Associate in Medicine.*

Theodore L. Badger, M.D., *Clinical Associate in Medicine.*

Benjamin M. Banks, M.D., *Clinical Associate in Medicine.*

Theodore B. Bayles, M.D., *Clinical Associate in Medicine.*

Edward F. Bland, M.D., *Clinical Associate in Medicine.*

Earle M. Chapman, M.D., *Clinical Associate in Medicine.*

Perry J. Culver, M.D., *Associate in Medicine at the Massachusetts General Hospital.*

Clifford L. Derick, M.D., *Clinical Associate in Medicine.*

Harry A. Derow, M.D., *Associate in Medicine.*

Cutting B. Favour, M.D., *Associate in Medicine.*

Clement A. Finch, M.D., *Associate in Medicine.*
A. Stone Freedberg, M.D., *Associate in Medicine.*
Samuel L. Gargill, M.D., *Associate in Medicine.*
Clark W. Heath, M.D., *Clinical Associate in Medicine.*
Francis T. Hunter, *Associate in Medicine at the Massachusetts General Hospital.*
David Hurwitz, M.D., *Clinical Associate in Medicine.*
Jacob Lerman, M.D., *Clinical Associate in Medicine.*
Harold D. Levine, M.D., *Clinical Associate in Medicine.*
Alexander Marble, M.D., *Clinical Associate in Medicine.*
F. William Marlow, Jr., M.D., *Associate in Medicine.*
Dudley Merrill, M.D., *Clinical Associate in Medicine.*
Robert T. Monroe, M.D., *Clinical Associate in Medicine.*
Wyman Richardson, M.D., *Associate in Medicine.*
Joseph E. F. Riseman, M.D., *Clinical Associate in Medicine.*
Howard F. Root, M.D., *Associate in Medicine.*
Richard P. Stetson, M.D., *Clinical Associate in Medicine.*
Maurice B. Strauss, M.D., *Clinical Associate in Medicine.*
F. H. Laskey Taylor, Ph.D., *Associate in Research Medicine.*
Arthur L. Watkins, M.D., *Associate in Medicine.*
Louis Wolff, M.D., *Associate in Medicine.*
Louis Zetzel, M.D., *Clinical Associate in Medicine.*
Paul M. Zoll, M.D., *Associate in Medicine.*
Reginald Fitz, M.D., *Lecturer on the History of Medicine* and *Assistant Dean.*
T. Duckett Jones, M.D., *Lecturer on Medicine.*
Donald S. King, M.D., *Lecturer on Medicine.*
William P. Murphy, M.D., *Lecturer on Medicine.*
James P. O'Hare, M.D., *Lecturer on Medicine.*
Francis M. Rackemann, M.D., *Lecturer on Medicine.*
Paul D. White, M.D., *Lecturer on Medicine* (resigned June 30, 1949).
Lewis L. Engel, Ph.D., *Research Associate in Medicine and in Biological Chemistry.*
John G. Gibson, 2nd, M.D., *Research Associate in Medicine.*
Florence W. Haynes, Ph.D., *Research Associate in Medicine.*
Louis H. Hempelman, M.D., *Research Associate in Medicine* (resigned March 1, 1950).
Robert B. Loftfield, Ph.D., *Research Associate in Medicine.*
Bert L. Vallee, M.D., *Research Associate in Medicine.*
C. Cabell Bailey, M.D., *Instructor in Medicine.*
Samuel B. Beaser, M.D., *Instructor in Medicine.*
Richard A. Bloomfield, M.D., *Instructor in Medicine.*

Morton G. Brown, M.D., *Instructor in Medicine.*
Robert E. Brownlee, M.D., *Instructor in Medicine.*
Walter S. Burrage, M.D., *Instructor in Medicine.*
Thomas C. Chalmers, Jr., M.D., *Instructor in Medicine.*
William P. Chapman, M.D., *Instructor in Medicine.*
William S. Clark, M.D., *Instructor in Medicine.*
Mandel E. Cohen, M.D., *Instructor in Medicine and in Neurology.*
Sidney Cohen, M.D., *Instructor in Medicine.*
Andrew W. Contratto, M.D., *Instructor in Medicine.*
Greene Fitzhugh, M.D., *Instructor in Medicine.*
Peter H. Forsham, M.D., *Instructor in Medicine.*
Frank H. Gardner, M.D., *Instructor in Medicine.*
Saul Hertz, M.D., *Instructor in Medicine.*
Bernard M. Jacobson, M.D., *Instructor in Medicine.*
Mark F. Lesses, M.D., *Instructor in Medicine.*
Arthur J. Linenthal, M.D., *Instructor in Medicine and in Pharmacology.*
Arthur J. Lockhart, M.D., *Instructor in Medicine.*
George W. Lynch, M.D., *Instructor in Medicine.*
Donald J. MacPherson, M.D., *Instructor in Medicine.*
James S. Mansfield, M.D., *Instructor in Medicine.*
Benedict F. Massell, M.D., *Instructor in Pediatrics.*
L. Tillman McDaniel, M.D., *Instructor in Medicine.*
Sylvester McGinn, M.D., *Instructor in Medicine.*
Edward Meilman, M.D., *Instructor in Medicine.*
John P. Monks, M.D., *Instructor in Medicine.*
Carey M. Peters, M.D., *Instructor in Medicine.*
Helen S. Pittman, M.D., *Instructor in Medicine.*
Curtis Prout, M.D., *Instructor in Medicine.*
Gordon A. Saunders, M.D., *Instructor in Medicine.*
Charles L. Short, M.D., *Instructor in Medicine.*
Howard B. Sprague, M.D., *Instructor in Medicine.*
John B. Stanbury, M.D., *Instructor in Medicine.*
Thomas A. Warthin, M.D., *Instructor in Medicine.*
John W. Zeller, M.D., *Instructor in Medicine.*
John B. G. Andosca, M.D., *Assistant in Medicine.*
Victor G. Balboni, M.D., *Assistant in Medicine.*
Robert L. Berg, M.D., *Assistant in Medicine.*
Nancy L. R. Bucher, M.D., *Assistant in Medicine.*
Robert Buka, Jr., M.D., *Assistant in Medicine.*
Donald T. Chamberlin, M.D., *Assistant in Medicine.*
John R. Chambliss, M.D., *Assistant in Medicine.*
Jack D. Cohen, M.D., *Assistant in Medicine.*

James H. Currens, M.D., *Assistant in Medicine.*
Thomas R. Dawber, M.D., *Assistant in Medicine.*
Briant L. Decker, M.D., *Assistant in Medicine.*
Albert I. C. DeFriez, M.D., *Assistant in Medicine.*
Joseph T. Doyle, *Assistant in Medicine.*
Daniel S. Ellis, M.D., *Assistant in Medicine.*
Harold Elrick, M.D., *Assistant in Medicine.*
Robert D. Epstein, M.D., *Assistant in Medicine* (resigned November 3, 1948).
John D. Eyre, Jr., M.D., *Assistant in Medicine.*
John M. Flynn, M.D., *Assistant in Medicine.*
Anne P. Forbes, M.D., *Assistant in Medicine.*
Ivan D. Frantz, Jr., M.D., *Assistant in Medicine.*
Paul Fremont-Smith, M.D., *Assistant in Medicine.*
David R. Ginder, M.D., *Assistant in Medicine.*
Robert Goldstein, M.D., *Assistant in Medicine.*
John R. Graham, M.D., *Assistant in Medicine.*
W. Proctor Harvey, M.D., *Assistant in Medicine.*
William R. Hill, Jr., M.D., *Assistant in Medicine.*
Mahlon B. Hoagland, M.D., *Assistant in Medicine.*
William McK. Jefferies, M.D., *Assistant in Medicine.*
Ernest Kahn, M.D., *Assistant in Medicine.*
Alfred Kranes, M.D., *Assistant in Medicine.*
George S. Kurland, M.D., *Assistant in Medicine.*
Walter K. Long, M.D., *Assistant in Medicine* (resigned November 1, 1948).
Farahe Maloof, M.D., *Assistant in Medicine.*
Gordon S. Myers, M.D., *Assistant in Medicine.*
Hyman L. Naterman, M.D., *Assistant in Medicine.*
Richard J. Nelson, M.D., *Assistant in Medicine.*
Tom F. Paine, Jr., *Assistant in Medicine.*
Arthur S. Pier, Jr., M.D., *Assistant in Medicine.*
George M. Pike, M.D., *Assistant in Medicine.*
Charles E. Rath, Jr., M.D., *Assistant in Medicine.*
Elliot L. Sagall, M.D., *Assistant in Medicine.*
Norman J. Selverstone, M.D., *Assistant in Medicine.*
Beecher W. Sitterson, M.D., *Assistant in Medicine* (resigned December 31, 1948).
Marvin Sleisinger, M.D., *Assistant in Medicine.*
Samuel Stearns, M.D., *Assistant in Medicine.*
James S. Stillman, M.D., *Assistant in Medicine.*
Melvin I. Sturnick, M.D., *Assistant in Medicine.*
Robert H. Talkov, M.D., *Assistant in Medicine.*

Joseph L. Tansey, M.D., *Assistant in Medicine.*
Charles F. Walcott, M.D., *Assistant in Medicine.*
Joseph E. Warren, M.D., *Assistant in Medicine.*
Stanford Wessler, M.D., *Assistant in Medicine.*
Edwin O. Wheeler, M.D., *Assistant in Medicine.*
Conger Williams, M.D., *Assistant in Medicine.*
Charles R. Williamson, M.D., *Assistant in Medicine.*
Charles A. Armbrust, Jr., M.D., *Research Fellow in Medicine.*
William B. Ayre, M.D., *Research Fellow in Medicine.*
Levon F. Ayvazian, M.D., *Research Fellow in Medicine* (resigned November 16, 1948).
Frederic C. Bartter, M.D., *Research Fellow in Medicine.*
Leslie L. Bennett, Ph.D., M.D., *Research Fellow in Medicine.*
Frederick S. Bigelow, M.D., *Research Fellow in Medicine.*
Gordon L. Brownell, Ph.D., *Research Fellow in Medicine.*
Edward S. Buckley, Jr., M.D., *Research Fellow in Medicine.*
Pedro M. Catoggio, M.D., *Research Fellow in Medicine.*
David L. Chamovitz, M.D., *Research Fellow in Medicine.*
Thomas H. Coleman, M.D., *Research Fellow in Medicine* (resigned June 6, 1949).
Harvey S. Collins, M.D., *Research Fellow in Medicine.*
Thomas L. DeLorme, Jr., *Research Fellow in Medicine.*
James W. Dow, M.D., *Research Fellow in Medicine.*
Richard D. Eckhardt, M.D., *Research Fellow in Medicine.*
William J. Emerson, M.D., *Research Fellow in Medicine.*
Constantin L. Ferrero, M.D., *Research Fellow in Medicine.*
Stuart C. Finch, M.D., *Research Fellow in Medicine.*
Edmund B. Flink, Ph.D., M.D., *Research Fellow in Medicine and Biological Chemistry.*
Thomas Frawley, M.D., *Research Fellow in Medicine.*
Arthur B. French, M.D., *Research Fellow in Medicine.*
Walter B. Frommeyer, Jr., M.D., *Research Fellow in Medicine.*
George J. Gabuzda, M.D., *Research Fellow in Medicine.*
Menard M. Gertler, M.D.C.M., M.Sc., *Research Fellow in Medicine.*
Joseph E. Giansiracusa, M.D., *Research Fellow in Medicine.*
Sam T. Gibson, M.D., *Milton Fellow.*
Thomas M. Gocke, M.D., *Research Fellow in Medicine.*
Walter T. Goodale, M.D., *Research Fellow in Medicine.*
Richard Gorlin, M.D., *Research Fellow in Medicine.*
Garth K. Graham, M.D., *Research Fellow in Medicine.*
David J. Greenberg, M.D., *Research Fellow in Medicine.*
Robert S. Grier, M.D., *Research Fellow in Medicine* (resigned March 31, 1949).

Jerome Gross, M.D., *Research Fellow in Medicine.*
John W. Harris, M.D., *Research Fellow in Medicine.*
Donald M. Haskins, M.D., *Research Fellow in Medicine.*
Samuel R. Hill, Jr., M.D., *Research Fellow in Medicine.*
Frederick L. Hoch, M.D., *Research Fellow in Medicine.*
Mark Horwitz, M.D., *Research Fellow in Medicine.*
John W. Hurst, M.D., *Research Fellow in Medicine.*
Sidney H. Ingbar, M.D., *Research Fellow in Medicine.*
George G. Jackson, M.D., *Research Fellow in Medicine.*
Stanley S. Kahn, M.D., *Research Fellow in Medicine.*
Edward H. Kass, M.D., *Research Fellow in Medicine.*
Elizabeth B. Keller, Ph.D., *Research Fellow in Medicine.*
Rita M. Kelley, M.D., *Research Fellow in Medicine.*
Byrl J. Kennedy, M.D., *Research Fellow in Medicine* (resigned September 1, 1949).
Henry Kraus, M.D., *Research Fellow in Medicine.*
Greta Landwehr, B.S., *Research Fellow in Medicine.*
Stephen B. Langfeld, M.D., *Research Fellow in Medicine* (resigned August 1, 1949).
Alexander Leaf, M.D., *Research Fellow in Medicine.*
Allyn B. Ley, M.D., *Research Fellow in Medicine.*
Marvin Lillian, M.D., *Research Fellow in Medicine.*
J. Bradley Long, M.D., *Research Fellow in Medicine.*
John P. Merrill, M.D., *Research Fellow in Medicine.*
Friederich Miller, M.D., *Research Fellow in Medicine.*
Joseph M. Miller, M.D., *Research Fellow in Medicine.*
William L. Money, Ph.D., *Research Fellow in Medicine* (resigned September 30, 1948).
Alex F. Muller, M.D., *Research Fellow in Medicine.*
William P. Murphy, Jr., M.D., *Research Fellow in Medicine.*
Peter H. Nash, M.B., Ch.B., *Research Fellow in Medicine.*
Leona R. Norman, M.D., *Research Fellow in Medicine.*
Charles K. Osgood, M.D., *Research Fellow in Medicine.*
Herbert W. Park, III, M.D., *Research Fellow in Medicine* (resigned October 1, 1949).
Paul H. Pfeiffer, M.D., *Research Fellow in Medicine.*
Walter W. Point, M.D., *Research Fellow in Medicine.*
Robert W. Reifenstein, M.D., *Research Fellow in Medicine.*
Robert S. Reiss, M.D., *Research Fellow in Medicine.*
Marcel Roche, M.D., *Research Fellow in Medicine.*
Eirwyn N. Rowlands, M.D., *Research Fellow in Medicine.*
Maurice P. G. St. Aubin, M.D., *Research Fellow in Medicine.*
Charles G. Sawyer, M.D., *Research Fellow in Medicine.*

Robert F. Schilling, M.D., *Research Fellow in Medicine.*
William B. Schwartz, Jr., M.D., *Research Fellow in Medicine.*
Jesse F. Scott, M.D., *Research Fellow in Medicine.*
Louis A. Selverstone, M.D., *Research Fellow in Medicine.*
Philip Siekevitz, Ph.D., *Research Fellow in Medicine.*
John R. Sinton, M.B., B.S., *Research Fellow in Medicine.*
Nils B. Skanse, M.D., *Henry P. Walcott Fellow in Clinical Medicine* (resigned September 30, 1948).
Wilson R. Slaunwhite, Jr., Ph.D., *Research Fellow in Medicine.*
Alexander Slessor, M.B., *Research Fellow in Medicine.*
Stephen Smith, III, M.D., *Research Fellow in Medicine.*
Howard M. Spiro, M.D., *Research Fellow in Medicine.*
Kenneth Sterling, M.D., *Research Fellow in Medicine.*
John N. Swanson, M.D., *Research Fellow in Medicine.*
James A. Taylor, M.D., *Research Fellow in Medicine.*
Lester Tobin, M.D., *Research Fellow in Medicine.*
Beverly T. Towery, M.D., *Research Fellow in Medicine* (resigned January 1, 1949).
Henry S. Treager, M.D., *Research Fellow in Medicine.*
Alvin L. Ureles, M.D., *Research Fellow in Medicine.*
John H. Vaughan, M.D., *Research Fellow in Medicine.*
Hans Waine, M.D., *Research Fellow in Medicine.*
Howard J. Weinberger, M.D., *Research Fellow in Medicine.*
Edward B. Wells, M.D., *Research Fellow in Medicine.*
Lysle H. Whitmer, M.D., *Research Fellow in Medicine.*
Donald L. Wilson, M.D.C.M., *Research Fellow in Medicine.*
Charles R. Womack, M.D., *Research Fellow in Medicine.*
John C. G. Young, M.D.C.M., *Research Fellow in Medicine.*
Norman Zamcheck, M.D., *Research Fellow in Medicine.*
John A. Benson, Jr., M.D., *Teaching Fellow in Medicine.*
Warren C. Breidenbach, Jr., *Teaching Fellow in Medicine.*
Thomas W. Burns, M.D., *Teaching Fellow in Medicine.*
Joaquin G. Cigarroa, M.D., *Teaching Fellow in Medicine.*
Ernest Craige, M.D., *Teaching Fellow in Medicine.*
Seth C. Crocker, M.D., *Teaching Fellow in Medicine* (resigned December 31, 1948).
Paul G. Ecker, M.D., *Teaching Fellow in Medicine.*
Allan L. Friedlich, M.D., *Teaching Fellow in Medicine.*
John S. Graettinger, M.D., *Teaching Fellow in Medicine.*
Thomas H. Haight, M.D., *Teaching Fellow in Medicine.*
Harper K. Hellems, M.D., *Teaching Fellow in Medicine.*
Philip H. Henneman, M.D., *Teaching Fellow in Medicine.*
Elmer E. Hinton, M.D., *Teaching Fellow in Medicine.*

James H. Jackson, M.D., *Teaching Fellow in Medicine.*
Lowell W. Lapham, M.D., *Teaching Fellow in Medicine.*
William F. Lummus, M.D., *Teaching Fellow in Medicine.*
Esar G. Margolin, M.D., *Teaching Fellow in Medicine.*
Raymond R. Marsh, M.D., *Teaching Fellow in Medicine.*
Jere Mead, M.D., *Teaching Fellow in Medicine.*
Karl D. Nelson, M.D., *Teaching Fellow in Medicine.*
Frank A. Neva, M.D., *Teaching Fellow in Medicine.*
George Nichols, Jr., M.D., *Teaching Fellow in Medicine.*
John H. Ohler, M.D., *Teaching Fellow in Medicine.*
John F. Otto, Jr., M.D., *Teaching Fellow in Medicine.*
Thaddeus E. Prout, M.D., *Teaching Fellow in Medicine.*
Royal S. Schaaf, M.D., *Teaching Fellow in Medicine.*
Cheves McC. Smythe, M.D., *Teaching Fellow in Medicine.*
Leonard S. Sommer, M.D., *Teaching Fellow in Medicine.*
John C. Souders, M.D., *Teaching Fellow in Medicine.*
Ralph J. Spiegl, M.D., *Teaching Fellow in Medicine.*
Harold J. Stein, M.D., *Teaching Fellow in Medicine.*
Frank E. Trobaugh, Jr., M.D., *Teaching Fellow in Medicine.*
Donald G. Wetherbee, M.D., *Teaching Fellow in Medicine.*
John W. Woodbury, M.D., *Teaching Fellow in Medicine.*

Albert O. Seeler, M.D., *Assistant Professor of Industrial Hygiene.*

Required Courses

The instruction given by the Department of Medicine consists in lectures, recitations, amphitheatre clinics, practical work in the out-patient departments and wards of the hospitals, and a course in laboratory diagnosis which is given at the Harvard Medical School in the laboratory of the Department. Throughout, an effort is made to correlate the clinical aspects of patients with fundamental principles derived from the basic sciences and to establish in the student's mind the importance of care and precision in diagnostic and therapeutic methods. The time given to the Department of Medicine begins in the second half of the second year and continues throughout the third and fourth years of the medical curriculum.

Second Year.—During the second half of the second year introductory aspects of internal medicine are covered in a correlated program of lectures and demonstrations in the courses in physical diagnosis and laboratory diagnosis. The application of the subject matter of preclinical courses to clinical medicine is emphasized. For their practical instruction in the methods of history taking, physical examination, and laboratory technique the students are divided into small groups.

Third Year. — Throughout the third year the subjects of internal medicine are covered by clinics or lectures for the whole class, which are given at the various hospitals or at the Harvard Medical School. For their practical instruction the students are divided into small groups and work in the medical wards or out-patient departments of the four larger hospitals connected with the Medical School. On Monday and Wednesday afternoons the third of the class assigned to Medicine attends amphitheatre clinics, clinical-pathological conferences, and x-ray conferences in rotation at the various hospitals.

Fourth Year. — In this year for two or three months the students serve mainly as clinical clerks in the medical wards of a general hospital. Part of their time, however, is devoted to acting as assistants in the medical clinic of the out-patient department. Especial emphasis is placed upon the care of the patient as an individual with respect to diagnosis and treatment. With individual variations in the different hospitals, conferences are held for the informal discussion of clinical, pathological, immunological, radiological, social or dietetic problems of selected cases.

Elective and Voluntary Courses

In addition to the required courses for fourth year students the department offers several opportunities for specially qualified students to take advanced elective courses and to carry on research problems in internal medicine.

Facilities for Instruction

The instruction is given at the Harvard Medical School, the Massachusetts General Hospital, the Boston City Hospital, the Peter Bent Brigham Hospital, the Beth Israel Hospital and several other hospitals devoted to special purposes. In these hospitals abundant and varied clinical material is available for the conduct of the numerous exercises.

SECOND YEAR	HOURS
Lectures and demonstrations on physical diagnosis and introductory aspects of clinical medicine. Dr. Altschule and Associates. *Four times a week.*	61
Section teaching in physical diagnosis and history taking. Dr. Altschule and Assistants. M.G.H., B.C.H., P.B.B.H., B.I.H., and H.G.S. *Each student has twenty-four exercises.*	84
Lectures and practical exercises in laboratory diagnosis. Drs. Ham, Culver and Assistants. H.M.S. *Three times a week.*	96

THIRD YEAR

Lectures, recitations, and clinics on selected topics in internal medicine. Drs. MEANS, CASTLE, THORN, AUB, BLUMGART, and Associates. *Throughout the year.* 64

Exercises in sections in the wards and out-patient departments at the M.G.H., B.C.H., P.B.B.H., and B.I.H. *Each section has thirty-two exercises of two and a half hours each and twenty-one exercises of three hours each.* 143

FOURTH YEAR

Clinical Clerkships at M.G.H. (Medicine C1, Dr. MEANS and Associates), B.C.H. (Medicine C2, Drs. CASTLE, DAVIDSON, and Associates), P.B.B.H. (Medicine C3, Dr. THORN and Associates), *throughout the year*, or B.I.H. (Medicine C4, Dr. BLUMGART and Associates), *from October to May, inclusive.* 288

FOURTH YEAR ELECTIVE COURSES

5. Advanced Medicine. Dr. MEANS and Associates. M.G.H.
6. Advanced Medicine. Drs. CASTLE, DAVIDSON, ELLIS, FINLAND, HAM, JACKSON, and Associates. B.C.H.
7. Advanced Medicine. Dr. THORN and Associates. P.B.B.H.
8. Advanced Medicine. Dr. BLUMGART and Associates. B.I.H.
9. Advanced Medicine. Diabetes. Dr. ROOT and Associates. N.E.D.H.
10. Advanced Medicine. Neoplastic Disease. Drs. AUB, CASTLEMAN, NATHANSON, ROBBINS, and Associates. M.G.H.
11. Syphilology. Dr. HILL and Associates. M.G.H.
12. Advanced Medicine. Diseases of the Lungs. Drs. KING, DAVENPORT and Associates. M.G.H., B.C.H., P.B.B.H., and the Middlesex County Sanatorium.
13. Research Medicine. Drs. MEANS, STANBURY, and Associates, M.G.H.

VOLUNTARY COURSES

30. Clinical Medicine. Opportunities for experience in clinical investigation will be given at the B.C.H. to a limited number of properly qualified students. Individual arrangements should be made by personal application to Dr. CASTLE.
31. Diseases of the Digestive System. Drs. BANKS and ZETZEL. Tuesdays and Thursdays, 2 to 3.30 P.M. (4 weeks) B.I.H. Open to third year students.
33. Infectious Diseases. Clinics and bedside demonstrations. P.B.B.H., B.I.H., and C.H. Tuesdays, 2 to 4 P.M., November through January. Open to second year students.

34. Diseases of the Thyroid. Drs. Gargill and Lesses. Tuesdays, 3.30 to 5 p.m., March and April, B.I.H. Open to second, third and fourth year students.
36. Hypertensive Disease and Nephritis. Dr. Derow. Tuesdays, 2 to 3.30 p.m., December and January, B.I.H. Open to third year students.
37. Diagnosis and Treatment of Heart Diseases. Drs. Altschule and Riseman. Tuesdays, 2 to 3.30 p.m., February and March, B.I.H. Open to second and third year students.
38. Clinical Electrocardiography. Dr. Harold D. Levine. February and March, Thursdays, 4 to 5.30 p.m. P.B.B.H. Open to third and fourth year students.
39. Diabetes. Dr. Beaser. Tuesdays and Thursdays, 2 to 3.30 p.m., April, B.I.H.
40. Clinical Application of Physiological Principles. Dr. Blumgart and Associates. Time and titles of clinics to be announced. B.I.H. Open to first year students during the second half-year.
42. Clinical Applications of Pharmacology. Drs. Blumgart, Linenthal and Associates. November through May, every other Thursday, 2 to 3.30 p.m. H.M.S. Open to second year students.

Dermatology

Chester N. Frazier, M.D., Dr.P.H., Edward Wigglesworth Professor of Dermatology and Head of the Department.
Jacob H. Swartz, M.D., *Assistant Clinical Professor of Dermatology.*
Irvin H. Blank, Ph.D., *Research Associate in Dermatology.*
Ruth C. Burke, Ph.D., *Research Associate in Dermatology.*
Alexander G. Matoltsy, M.D., *Research Associate in Dermatology.*
John Adams, Jr., M.D., *Instructor in Dermatology.*
G. Marshall Crawford, M.D., *Instructor in Dermatology.*
William R. Hill, Jr., M.D., *Assistant in Dermatology and Medicine.*
Walter F. Lever, M.D., *Assistant in Dermatology.*
Maurice M. Tolman, M.D., *Assistant in Dermatology.*
Robert D. Griesemer, M.D., *Research Fellow in Dermatology.*
Charles S. Keuper, M.D., *Research Fellow in Dermatology.*
Owen G. Miller, M.D., *Research Fellow in Dermatology.*

Required Courses

Third Year. — In the first half-year five lectures are given in the fundamentals of dermatology. The object is to present the essential principles underlying the production of cutaneous abnormalities and to identify and relate these changes, both functional and structural, to the processes of disease in general. The subject is considered not as an isolated area of

medicine, but as an integral part of medicine itself. It is hoped that through this method of study the student may come to understand the unity of the individual in his response to the various pathogenic forces of nature.

The student serves also as a clerk in the out-patient clinic and in the wards, where he studies and discusses with the staff, patients assigned to him. Emphasis is placed upon history-taking and physical examination of patients in such a way as to make the student aware that the diseases which he observes require, in general, the techniques of clinical medicine for their study and interpretation. Rational methods of treatment are insisted upon.

The students, in sections, attend morning ward rounds.

THIRD YEAR	HOURS
Lectures. Dr. Frazier. H.M.S. *Five lectures, first half-year.*	5
Section work. Clinical Dermatology. Drs. Frazier, Swartz, Adams, Crawford, Hill, Lever and Tolman. M.G.H. *Each student attends ten or eleven sessions (clinics and ward rounds) of three hours each.*	32

Fourth Year Elective Courses

1. Clinical Clerkship. Dr. Frazier and Assistants. M.G.H. Whole course, all day, time to be arranged with Head of Department.
2. Clinical Dermatology. Dr. Frazier and Assistants. M.G.H. Half-course, mornings, monthly, throughout the year.

Neurology and Psychiatry

This department is composed of three divisions: —

1. Neurology, Dr. Denny-Brown, at the Boston City Hospital and Dr. Kubik at the Massachusetts General Hospital. (Dr. Crothers and Dr. Lennox at the Children's Hospital, in association with the Department of Pediatrics, will give instruction in nervous diseases of children.)
2. Neuropathology, Dr. Cobb, Harvard Medical School.
3. Psychiatry, Dr. Solomon, Boston Psychopathic Hospital.

Stanley Cobb, M.D., *Bullard Professor of Neuropathology* and *Head of the Department of Psychiatry at the Massachusetts General Hospital and Chairman of the Department.*

Derek E. Denny-Brown, M.B., Ch.B., Dr.Phil., M.D. (hon.), *James Jackson Putnam Professor of Neurology* and *Head of the Department at the Boston City Hospital.*

Harry C. Solomon, M.D., *Professor of Psychiatry* and *Head of the Department at the Boston Psychopathic Hospital.*

William G. Lennox, M.D., S.D., *Associate Professor of Neurology.*

Raymond DeL. Adams, M.D., *Assistant Professor of Neurology.*

Jerome S. Bruner, Ph.D., *Assistant Professor of Social Psychology.*
Jacob E. Finesinger, M.D., *Assistant Professor of Psychiatry.*
Henry M. Fox, M.D., *Assistant Professor of Psychiatry at the Peter Bent Brigham Hospital.*
Charles S. Kubik, M.D., *Assistant Professor of Neurology* and *Head of the Department of Neurology at the Massachusetts General Hospital.*
Ives Hendrick, M.D., *Assistant Clinical Professor of Psychiatry.*
F. Lyman Wells, Ph.D., *Assistant Professor of Psychology.*
Grete L. Bibring, M.D., *Associate in Psychiatry at the Beth Israel Hospital.*
Wilfred Bloomberg, M.D., *Associate in Neurology.*
Gaylord P. Coon, M.D., *Associate in Psychiatry.*
William L. Holt, M.D., *Associate in Psychiatry at the Boston Psychopathic Hospital.*
Merrill Moore, M.D., *Associate in Psychiatry.*
L. Raymond Morrison, M.D., *Associate in Neuropathology at the Massachusetts General Hospital.*
Robert S. Schwab, M.D., *Associate in Neurology at the Massachusetts General Hospital.*
George E. Gardner, M.D., *Lecturer on Clinical Psychology.*
Erich Lindemann, M.D., *Lecturer on Social Relations.*
Marian C. Putnam, M.D., *Lecturer on Psychiatry.*
Henry R. Viets, M.D., *Lecturer on Neurology.*
John R. Reid, Ph.D., *Visiting Lecturer on Psychiatry.*
Mary A. B. Brazier, Ph.D., *Research Associate in Neuropathology.*
Byron H. Waksman, M.D., *Research Associate in Neuropathology.*
Samuel Waldfogel, Ph.D., *Research Associate in Psychiatry.*
Charles R. Atwell, A.M., *Instructor in Psychology.*
Herbert Barry, Jr., M.D., *Instructor in Psychiatry.*
Clemens E. Benda, M.D., *Instructor in Neuropathology.*
Madelaine R. Brown, M.D., *Instructor in Neurology.*
G. Colket Caner, M.D., *Instructor in Neurology.*
Florence Clothier, M.D., *Instructor in Psychiatry.*
Mandel E. Cohen, *Instructor in Neurology.*
Edwin M. Cole, M.D., *Instructor in Neurology.*
Frank C. d'Elseaux, M.D., *Instructor in Psychiatry.*
Herbert J. DeShon, M.D., *Instructor in Psychiatry.*
Samuel H. Epstein, M.D., *Instructor in Neurology.*
Robert E. Fleming, M.D., *Instructor in Psychiatry.*
Gertrude R. Greenblatt, M.D., *Instructor in Psychiatry.*
Milton Greenblatt, M.D., *Instructor in Psychiatry.*
Lester L. Hasenbush, M.D., *Instructor in Psychiatry.*
A. Price Heusner, M.D., *Instructor in Neurology.*
Paul M. Howard, M.D., *Instructor in Psychiatry.*

Lucie N. Jessner, M.D., *Instructor in Psychiatry.*
Harry L. Kozol, M.D., *Instructor in Neurology.*
Maxwell E. Macdonald, M.D., *Instructor in Neurology.*
Joseph J. Michaels, M.D., *Instructor in Psychiatry.*
Jost J. Michelsen, M.D., *Instructor in Neurology.*
William F. Murphy, M.D., *Instructor in Psychiatry.*
Paul G. Myerson, M.D., *Instructor in Psychiatry.*
Fred A. Quadfasel, M.D., *Instructor in Neurology.*
Oscar J. Raeder, M.D., *Instructor in Psychiatry.*
Robert M. Ravven, M.D., *Instructor in Psychiatry.*
Augustus S. Rose, M.D., *Instructor in Neurology and Psychiatry.*
Helen H. Tartakoff, M.D., *Instructor in Psychiatry.*
Laurence D. Trevett, M.D., *Instructor in Psychiatry.*
Arthur F. Valenstein, M.D., *Instructor in Psychiatry.*
Henry Wermer, M.D., *Instructor in Psychiatry.*
W. Franklin Wood, M.D., *Instructor in Psychiatry.*
Elizabeth R. Zetzel, M.D., *Instructor in Psychiatry.*
John A. Abbott, M.D., *Assistant in Neurology.*
Harold S. Albert, M.D., *Assistant in Psychiatry.*
Martin A. Berezin, M.D., *Assistant in Psychiatry.*
Leo Berman, M.D., *Assistant in Psychiatry.*
Robert B. Bigelow, M.D., *Assistant in Psychiatry.*
Henry H. Brewster, M.D., *Assistant in Psychiatry.*
William J. Clauser, M.D., *Assistant in Psychiatry.*
Chester C. d'Autremont, M.D., *Assistant in Neurology.*
Daniel C. Dawes, M.D., *Assistant in Psychiatry.*
Thomas F. Dwyer, M.D., *Assistant in Psychiatry.*
Albert C. England, Jr., M.D., *Assistant in Neurology.*
Howard S. English, M.D., *Assistant in Neuropathology.*
Joseph M. Foley, M.D., *Assistant in Neurology.*
Dan H. Funkenstein, M.D., *Assistant in Psychiatry.*
Max Goldman, M.D., *Assistant in Neurology.*
Volta R. Hall, Jr., M.D., *Assistant in Psychiatry.*
Herbert I. Harris, M.D., *Assistant in Psychiatry.*
Stanley S. Kanter, M.D., *Assistant in Psychiatry.*
Samuel Kaplan, M.D., *Assistant in Child Psychiatry.*
Sidney Levin, M.D., *Assistant in Psychiatry.*
Julius Levine, M.D., *Assistant in Psychiatry.*
James Mann, M.D., *Assistant in Psychiatry.*
Robert H. McCarter, M.D., *Assistant in Psychiatry.*
James A. Meath, Jr., M.D., *Assistant in Neuropathology.*

Doris Menzer, M.D., *Assistant in Psychiatry.*
David J. Myerson, M.D., *Assistant in Psychiatry.*
Vincent P. Perlo, M.D., *Assistant in Neurology.*
Alfred Pope, M.D., *Assistant in Neuropathology.*
Edward P. Richardson, Jr., M.D., *Assistant in Neurology.*
Gregory Rochlin, M.D., *Assistant in Psychiatry.*
Irving Rosen, M.D., *Assistant in Psychiatry.*
Elvin V. Semrad, M.D., *Assistant in Psychiatry.*
Harley C. Shands, M.D., *Assistant in Psychiatry.*
Jackson Smith, M.D., *Assistant in Psychiatry.*
Stewart R. Smith, M.D., *Assistant in Psychiatry.*
Ruth E. Stauffer, M.D., *Assistant in Neurology.*
Malwina Stock, M.D., *Assistant in Psychiatry.*
John F. Sullivan, M.D., *Assistant in Neurology.*
William H. Timberlake, M.D., *Assistant in Neurology.*
Marcel Verzeano, M.D., *Assistant in Neuropathology.*
Jerome L. Weinberger, M.D., *Assistant in Psychiatry.*
Avery D. Weisman, M.D., *Assistant in Psychiatry.*
LeMoyne White, M.D., *Assistant in Psychiatry.*
Robert E. Arnot, M.D., *Research Fellow in Psychiatry.*
Samuel Bojar, M.D., *Research Fellow in Psychiatry.*
Franklin Carter, M.D., *Research Fellow in Psychiatry.*
Mary Eichhorn, M.D., *Research Fellow in Psychiatry.*
Charles M. Fisher, M.D., *Research Fellow in Neurology.*
Merritt W. Foster, Jr., M.D., *Research Fellow in Psychiatry.*
Sanford R. Gifford, Jr., M.D., *Research Fellow in Psychiatry.*
Moses B. Hecht, M.D., *Research Fellow in Psychiatry.*
Clara R. Johns, M.D., *Research Fellow in Psychiatry.*
Abraham Kaye, M.D., *Research Fellow in Psychiatry.*
Israel Kopp, M.D., *Research Fellow in Psychiatry.*
John H. Lamont, M.D., *Research Fellow in Psychiatry.*
David Landau, M.D., *Research Fellow in Psychiatry.*
Paul D. MacLean, M.D., *Research Fellow in Psychiatry.*
Edward A. Mason, M.D., *Research Fellow in Psychiatry.*
Robert R. Mezer, M.D., *Research Fellow in Psychiatry.*
Henry H. W. Miles, M.D., *Research Fellow in Psychiatry.*
Francis P. Murphy, Jr., M.D., *Research Fellow in Psychiatry.*
Huntington Porter, M.D., *Research Fellow in Neurology.*
Herbert I. Posin, M.D., *Research Fellow in Psychiatry.*
Luis Saenz-Arroyo, M.D., *Research Fellow in Neurology.*
Harry Stokholm, M.D., *Research Fellow in Psychiatry.*

Thomas E. Twitchell, M.D., *Research Fellow in Neurology.*
Henri vander Eecken, M.D., *Research Fellow in Neurology.*
James T. Vernon, M.D., *Research Fellow in Psychiatry.*
Charles W. Watson, M.D., *Research Fellow in Neurology.*
Gerhard Weber, M.D., *Research Fellow in Neurology.*
Frances J. Bonner, M.D., *Charles Follen Folsom Teaching Fellow in Neuropathology.*
George H. Carter, M.D., *Teaching Fellow in Psychiatry.*
Philip L. Christainsen, M.D., *Teaching Fellow in Neurology.*
Lincoln D. Clark, M.D., *Teaching Fellow in Psychiatry.*
John C. Coolidge, M.D., *Teaching Fellow in Child Psychiatry.*
Charles Dumas, M.D., *Teaching Fellow in Neurology.*
Harry C. H. Fang, M.D., *Teaching Fellow in Neurology.*
Robert A. Fishman, M.D., *Teaching Fellow in Neurology.*
Donald W. Goodrich, M.D., *Teaching Fellow in Psychiatry.*
Dorr F. Hallenbeck, Jr., M.D., *Teaching Fellow in Psychiatry.*
Jane A. Hallenbeck, M.D., *Teaching Fellow in Child Psychiatry.*
Richmond Holder, M.D., *Teaching Fellow in Psychiatry.*
David McDougal, Jr., M.D., *Teaching Fellow in Neurology.*
Kenneth P. Nash, M.D., *Teaching Fellow in Psychiatry.*
John C. Nemiah, M.D., *Teaching Fellow in Psychiatry.*
Richard J. Palmer, M.D., *Teaching Fellow in Neurology.*
Gardner C. Quarton, M.D., *Teaching Fellow in Psychiatry.*
Bertram H. Roberts, M.D., *Teaching Fellow in Psychiatry.*
Earl G. Solomon, M.D., *Teaching Fellow in Psychiatry.*
David Stafford-Clark, M.D., *Teaching Fellow in Psychiatry.*

Neurology

Required Courses

Second Year. — Clinical lectures are given at the Massachusetts General and Boston City Hospitals to the entire class. The object of the course is to give the student a general knowledge of the principles of diagnosis and treatment of diseases of the nervous system as a preparation for later work.

Third Year. — Clinical lectures are given in the third year, at the Massachusetts General Hospital and the Boston City Hospital. The members of the class are also required to work in the neurological service at the M.G.H. or B.C.H. in sections during the year. For this work the more didactic teaching of the second year serves as a necessary preparation. The work is practical in character and serves to bring the student into immediate contact with patients.

SECOND YEAR HOURS

Clinical lectures. Dr. Kubik, M.G.H., and Dr. Denny-Brown, B.C.H. 12

THIRD YEAR

Clinical lectures. Dr. Kubik, M.G.H., and Dr. Denny-Brown, B.C.H. *Last eight Saturdays in first half-year.* 12

Section teaching. M.G.H. and B.C.H. *Each student attends ten or eleven two and a half-hour exercises in neurology.* 27

Fourth Year Elective Courses

1. Neurology. Dr. Kubik, M.G.H. Whole course (clerkship), all day.
2. Advanced Neurology. Dr. Denny-Brown, B.C.H. Whole course, all day.

Neuropathology

Required Course

Neuropathology A. *Second Year.* — The course consists of lectures, laboratory work, and demonstrations, amounting to fifty-four hours. The lectures introduce conceptions of value for the third year courses in neurology and psychiatry and for the neurological parts of courses in internal medicine and in surgery. Microscopical and gross specimens are studied.

SECOND YEAR HOURS

Lectures and laboratory work. Staff. *Three times a week, for six weeks.* 54

Fourth Year Elective Course

20. Research. Opportunities for research are available at the laboratories of the M.G.H., B.C.H., and H.M.S. Time and instructor to be arranged with Dr. Cobb.

Psychiatry

Required Courses

First Year. — Normal Emotional Development. Ten lectures. Introduction to the facts which have been established concerning the development of the human personality in the setting of the family and the culture. The course reviews some of the factors which must be considered in order helpfully to understand any human being whether he be sick or well, and

the foundation is laid for the more advanced courses in psychopathology. The lectures deal with the development of the human personality from infancy through childhood, in adolescence, during maturity with special emphasis on the problems of vocation and marriage, and finally with the personal implications of aging. Stress is laid on the influence of anxiety and of unconscious forces on human behavior.

Second Year. — The course consists of lectures introducing the methods of history-taking and the examination of patients applicable to the study of patients with psychiatric disorders. It is designed to serve as a preparation for the third year, when the student will be in direct contact with patients on the wards of the hospital.

Third Year. — The class is divided into small sections for the clinical study of patients. Each student will be given the opportunity for studying individual cases in the wards of the Boston Psychopathic Hospital. During the second half year clinical lectures will be given once a week at the Boston Psychopathic Hospital. The most important varieties of mental disorder will be presented with emphasis upon the early recognition of mental disease, the methods of treatment applicable, including psychotherapy, and the special psychiatric treatment methods.

Fourth Year. — During the fourth year each student will serve as clinical clerk for one month at the Boston Psychopathic Hospital, the Massachusetts General Hospital, or McLean Hospital. Work with in-patients will consist of the study of patients with various types of mental disorder, and their treatment by psychotherapy and other methods of modern psychiatry. Study and treatment of ambulatory patients, with emphasis on the applications of psychiatry to general medical practice, will be given by the Teaching Unit of The Southard Clinic and the out-patient departments of the Massachusetts General and Beth Israel Hospitals. Psychiatric problems of children will be discussed by staff members of the Judge Baker Foundation, Children's Centre and the Child Psychiatry Clinic of the Massachusetts General Hospital.

FIRST YEAR	HOURS
Lectures on Medical Psychology. Drs. Fox and Lindeman. B.P.H. and H.M.S. *Twice a week, for five weeks.*	10
SECOND YEAR	
Lectures. Dr. Solomon and Associates.	10
THIRD YEAR	
Clinical lectures. Dr. Solomon and Associates. B.P.H. *Once a week, second half-year.*	13

Section teaching. *Each student attends ten or eleven three-hour exercises.* 32

FOURTH YEAR

C1. Clinical Clerkship. Drs. SOLOMON, COBB, and BIBRING. B.P.H., M.G.H., McL.H. and B.I.H. 144

FOURTH YEAR ELECTIVE COURSES

4. Psychiatry. Dr. SOLOMON and Associates. Whole course, all day, offered throughout the year. B.P.H.
5. Psychiatry. Dr. COBB and Staff. Clinical clerkships on psychiatric ward and O.P.D. Limited to one student each month. Whole course, all day. M.G.H.
6. Psychiatry. Dr. WOOD and Associates. Clinical Clerkship. Limited to one student each month. Whole course, all day. McL.H.

Ophthalmology

EDWIN B. DUNPHY, M.D., *Henry Willard Williams Professor of Ophthalmology at the Massachusetts Eye and Ear Infirmary* and *Head of the Department.*

DAVID G. COGAN, M.D., *Associate Professor of Ophthalmic Research* and *Director of the Howe Laboratory of Ophthalmology.*

PARKER HEATH, M.D., *Clinical Professor of Ophthalmology.*

TRYGVE GUNDERSEN, M.D., *Assistant Professor of Ophthalmology.*

WILLIAM P. BEETHAM, M.D., *Clinical Associate in Ophthalmology.*

PAUL A. CHANDLER, M.D., *Clinical Associate in Ophthalmology.*

RUSSELL LEG. CARPENTER, PH.D., *Instructor in Ophthalmology.*

VIRGIL G. CASTEN, M.D., *Instructor in Ophthalmology.*

THOMAS J. CAVANAUGH, M.D.C.M., *Instructor in Ophthalmology.*

MAHLON T. EASTON, M.D., *Instructor in Ophthalmology.*

MERRILL J. KING, M.D., *Instructor in Ophthalmology.*

BRENDAN D. LEAHEY, M.D., *Instructor in Ophthalmology.*

S. FORREST MARTIN, M.D., *Instructor in Ophthalmology.*

HARRY K. MESSENGER, M.D., *Instructor in Ophthalmology.*

BENJAMIN SACHS, M.D., *Instructor in Ophthalmology.*

ALBERT E. SLOANE, M.D., *Instructor in Ophthalmology.*

GARRETT L. SULLIVAN, JR., M.D., *Instructor in Ophthalmology.*

LEONA R. ZACHARIAS, PH.D., *Instructor in Ophthalmic Research.*

H. FREEMAN ALLEN, M.D., *Assistant in Ophthalmology.*

HARRY E. BRACONIER, M.D., *Assistant in Ophthalmology.*

JULIAN F. CHISHOLM, JR., M.D., *Assistant in Ophthalmology.*

JOSEPH M. CLOUGH, M.D., *Assistant in Ophthalmology.*

HERMAN P. GROSSMAN, M.D., *Assistant in Ophthalmology.*

Carl C. Johnson, M.D., *Assistant in Ophthalmology.*
Sumner D. Liebman, M.D., *Assistant in Ophthalmology.*
Frederic C. Merriam, A.M., *Assistant in Ophthalmic Research.*
Henry A. Mosher, M.D., *Assistant in Ophthalmology.*
Abraham Pollen, M.D., *Assistant in Ophthalmology.*
Earl S. Seale, M.D., *Assistant in Ophthalmology.*

Required Courses

First Year. — Instruction in anatomy and physiology of the eye.

Second Year. — Instruction in pathology and pharmacology of the eye, and in optics of the ophthalmoscope.

Third Year. — Instruction in clinical ophthalmology.

THIRD YEAR	HOURS
Eleven clinical exercises. M.E.E.I.	27
Lectures on clinical ophthalmology. H.M.S., *second half-year.*	5

Fourth Year Elective Courses

1. Clinical Ophthalmology. Dr. Dunphy and Staff. Whole course, all day. M.E.E.I.
2. Clinical Ophthalmology. Dr. Dunphy and Staff. Half-course, mornings, occupying one month. M.E.E.I.
3. Introduction to Ophthalmic Research. Howe Laboratory Staff. Whole course, afternoons, occupying two months. Arrangements to be decided upon by Director of Howe Laboratory and the student in each case. M.E.E.I.

Howe Laboratory of Ophthalmology

David G. Cogan, M.D., *Associate Professor of Ophthalmic Research* and *Director of the Howe Laboratory of Ophthalmology.*
V. Everett Kinsey, Ph.D., *Assistant Professor of Ophthalmic Research.*
Walter M. Grant, M.D., *Associate in Ophthalmic Research.*
Elek J. Ludvigh, 2d, Ph.D., *Associate in Ophthalmic Research.*
Clayton Black, S.B., *Assistant in Ophthalmic Research.*
Paul Goldhaber, D.D.S., *Assistant in Ophthalmic Research.*
David D. Donaldson, M.D., *Fellow in Ophthalmic Research.*
Charles L. Schepens, M.D., *Fellow in Ophthalmic Research.*
Robert R. Trotter, M.D., *Fellow in Ophthalmic Research.*

The Howe Laboratory of Ophthalmology was founded in 1927 by the late Dr. Lucien Howe. A sum of money equal to that given by Dr. Howe was donated by the Rockefeller Foundation. Laboratory space was provided by the Massachusetts Eye and Ear Infirmary.

The purpose of the laboratory is to advance ophthalmology; its researches are not restricted to any particular phase of this science. Advantage is taken of the rich clinical material of the Infirmary. While the laboratory is purely an institution for research, the services of the various members of the staff are available for teaching in the Harvard Medical School and for assistance in the clinical work of the Infirmary.

Radiology

Merrill C. Sosman, M.D., *Professor of Radiology at the Peter Bent Brigham Hospital* and *Head of the Department.*

Max Ritvo, M.D., *Assistant Professor of Radiology.*

Edward B. D. Neuhauser, M.D., *Associate in Radiology at the Children's Hospital.*

Laurence L. Robbins, M.D., *Associate in Radiology at the Massachusetts General Hospital.*

Richard Dresser, M.D., *Instructor in Radiology.*

Felix G. Fleischner, M.D., *Instructor in Radiology.*

Alexander S. MacMillan, M.D., *Instructor in Radiology.*

Joseph H. Marks, M.D., *Instructor in Radiology.*

Samuel A. Robins, M.D., *Instructor in Radiology.*

Richard Schatzki, M.D., *Instructor in Radiology.*

Milford D. Schulz, M.D., *Instructor in Radiology.*

Lawrence Andreson, M.D., *Assistant in Radiology.*

Milton Elkin, M.D., *Assistant in Radiology.*

William R. Eyler, M.D., *Assistant in Radiology.*

James A. Glenn, Jr., M.D., *Assistant in Radiology.*

J. Lawrence Golden, M.D., *Assistant in Radiology.*

Joseph Hanelin, M.D., *Assistant in Radiology.*

Raymond F. Healey, M.D., *Assistant in Radiology.*

James J. McCort, M.D., *Assistant in Radiology.*

Paul A. Riemenschneider, M.D., *Assistant in Radiology* (resigned December 31, 1949).

Irving A. Shauffer, M.D., *Assistant in Radiology.*

Charles G. Stetson, M.D., *Assistant in Radiology.*

Joseph B. Stull, M.D., *Assistant in Radiology.*

Martin H. Wittenborg, M.D., *Assistant in Radiology.*

Stanley M. Wyman, M.D., *Assistant in Radiology.*

John A. Martin, M.D., *Research Fellow in Radiology.*

Rocco P. Bevilacqua, M.D., *Teaching Fellow in Radiology.*

Howard L. Leary, M.D., *Teaching Fellow in Radiology.*

William A. Tosick, M.D., *Teaching Fellow in Radiology.*

Third Year.—During the third year the following instruction will be offered: (*a*) five general lectures to the entire class on the heart, the lungs, the gastro-intestinal tract, pediatric x-ray and irradiation therapy, respectively; (*b*) seven clinical exercises in each trimester for the third of the class taking medicine, for the purpose of correlating clinical and roentgenological findings in major types of examinations; (*c*) exercises during each trimester for the third of the class taking surgery, involving observation and discussion of x-ray findings on surgical cases under study.

FOURTH YEAR ELECTIVE COURSES

Radiology. Drs. ROBBINS, M.G.H., RITVO, B.C.H., SOSMAN, P.B.B.H., FLEISCHNER, B.I.H., NEUHAUSER, C.H., and MARKS, N.E.D.H.

Pediatrics

ALLAN M. BUTLER, M.D., *Professor of Pediatrics* and *Head of the Department at the Massachusetts General Hospital.*

JAMES L. GAMBLE, M.D., S.M., *Professor of Pediatrics* and *Chairman of the Department.*

CHARLES A. JANEWAY, M.D., *Thomas Morgan Rotch Professor of Pediatrics* and *Head of the Department at the Children's Hospital.*

WILLIAM G. LENNOX, M.D., *Associate Professor of Neurology.*

BRONSON CROTHERS, M.D., *Clinical Professor of Pediatrics.*

JOHN A. V. DAVIES, M.D., *Assistant Clinical Professor of Pediatrics.*

LOUIS K. DIAMOND, M.D., *Assistant Professor of Pediatrics at the Children's Hospital.*

CLEMENT A. SMITH, M.D., *Assistant Professor of Pediatrics at the Boston Lying-in Hospital.*

NATHAN B. TALBOT, M.D., *Assistant Professor of Pediatrics.*

WILLIAM McL. WALLACE, M.D., *Assistant Professor of Pediatrics.*

RANDOLPH K. BYERS, M.D., *Clinical Associate in Pediatrics.*

STEWART H. CLIFFORD, M.D., *Clinical Associate in Pediatrics.*

R. CANNON ELEY, M.D., *Clinical Associate in Pediatrics and Communicable Diseases.*

SYDNEY S. GELLIS, M.D., *Associate in Pediatrics.*

LEWIS W. HILL, M.D., *Clinical Associate in Pediatrics.*

RALPH A. ROSS, M.D., *Associate in Pediatrics.*

HARRY SHWACHMAN, M.D., *Associate in Pediatrics at the Children's Hospital.*

EDITH MEYER, PH.D., *Research Associate.*

FRED H. ALLEN, JR., M.D., *Instructor in Pediatrics.*

WILLIAM BERENBERG, M.D., *Instructor in Pediatrics.*

LEO B. BURGIN, M.D., *Instructor in Pediatrics.*

Ralph W. Daffinee, M.D., *Instructor in Pediatrics.*
James W. Dow, M.D., *Instructor in Pediatrics.*
Henry E. Gallup, M.D., *Instructor in Pediatrics.*
Stanton Garfield, M.D., *Instructor in Child Health.*
Joseph Garland, M.D., *Instructor in Pediatrics.*
Gerald N. Hoeffel, M.D., *Instructor in Pediatrics.*
Eliot Hubbard, Jr., M.D., *Instructor in Pediatrics.*
Lawrence C. Kingsland, Jr., M.D., *Instructor in Pediatrics.*
Francis C. McDonald, M.D., *Instructor in Pediatrics.*
Dorothea M. Moore, M.D., *Instructor in Pediatrics.*
Alexander S. Nadas, M.D., *Instructor in Pediatrics.*
Dane G. Prugh, M.D., *Instructor in Pediatrics.*
Gertrud C. Reyersbach, M.D., *Instructor in Pediatrics.*
Eli C. Romberg, M.D., *Instructor in Pediatrics.*
Abraham S. Small, M.D., *Instructor in Pediatrics.*
Lendon Snedeker, M.D., M.P.H., *Instructor in Pediatrics.*
Richard C. Tefft, Jr., M.D., *Instructor in Pediatrics.*
William J. Turtle, M.D., *Instructor in Pediatrics.*
Louis Weinstein, M.D., *Instructor in Pediatrics.*
Thomas H. Weller, M.D., *Instructor in Epidemiology.*
Olga E. Allers, M.D., *Assistant in Pediatrics.*
John K. Brines, M.D., *Assistant in Pediatrics.*
John D. Crawford, M.D., *Assistant in Pediatrics.*
William A. Dickson, M.D., *Assistant in Pediatrics.*
Edward C. Dyer, M.D., *Assistant in Pediatrics.*
Albert A. Frank, M.D., *Assistant in Pediatrics.*
Nathan Gorin, M.D., *Assistant in Pediatrics.*
Allen M. Hill, M.D., *Assistant in Pediatrics.*
William H. Horwitz, M.D., *Assistant in Pediatrics.*
John P. Hubbell, Jr., M.D., *Assistant in Pediatrics.*
Anna K. Kiehl, M.D., *Assistant in Pediatrics.*
Alexander S. MacDonald, Jr., *Assistant in Pediatrics.*
Donald E. McLean, M.D., *Assistant in Pediatrics.*
Jack Metcoff, M.D., *Assistant in Pediatrics.*
Lawrence S. Morse, M.D., *Assistant in Pediatrics.*
Robert T. Moulton, M.D., *Assistant in Pediatrics.*
Harry L. Mueller, M.D., *Assistant in Pediatrics.*
Joseph Osborne, M.D., *Assistant in Pediatrics.*
Thomas S. Perrin, Jr., M.D., *Assistant in Pediatrics.*
Henry M. Putnam, M.D., *Assistant in Pediatrics.*
Alexis I. Shelokov, M.D., *Assistant in Pediatrics.*
Patricia Wanning, M.D., *Assistant in Pediatrics.*

Eleanore C. Zaudy, M.D., *Assistant in Pediatrics.*
Mariano Alimurung, M.D., *Research Fellow in Pediatrics.*
Harlow F. Avery, M.D., *Research Fellow in Pediatrics.*
Lewis A. Barness, M.D., *Research Fellow in Pediatrics.*
Wilhelm Blystad, M.D., *Research Fellow in Pediatrics.*
Thomas B. Brazelton, M.D., *Research Fellow in Pediatrics.*
Ernest Cotlove, M.D., *Research Fellow in Pediatrics.*
Emile C. Gautier, M.D., *Research Fellow in Pediatrics.*
Lytt I. Gardner, M.D., *Research Fellow in Pediatrics.*
David Gitlin, M.D., *Research Fellow in Pediatrics.*
Thomas N. Hall, M.D., *Research Fellow in Pediatrics.*
Donald Harting, M.D., *Research Fellow in Pediatrics.*
Richmond Holder, M.D., *Research Fellow in Pediatrics.*
Malcolm A. Holliday, M.D., *Research Fellow in Pediatrics.*
Dora C. Hsi-Chih, M.D., *Research Fellow in Pediatrics.*
Weston M. Kelsey, M.D., *Research Fellow in Pediatrics.*
William Locke, M.D., *Research Fellow in Pediatrics.*
Elsie A. MacLachlan, S.B., *Research Fellow in Pediatrics.*
Janet W. McArthur, M.D., *Research Fellow in Pediatrics.*
Arthur E. McElfresh, Jr., M.D., *Research Fellow in Pediatrics.*
Julio F. Morato-Manaro, M.D., *Research Fellow in Pediatrics.*
Maurice J. Osborne, M.D., *Research Fellow in Pediatrics.*
Paul R. Patterson, M.D., *Research Fellow in Pediatrics.*
Charles G. Rand, M.D., *Research Fellow in Pediatrics.*
Charles H. Read, Jr., M.D., *Research Fellow in Pediatrics.*
Conception U. Rivera, M.D., *Research Fellow in Pediatrics.*
Frederick C. Robbins, M.D., *Research Fellow in Pediatrics.*
Kenneth F. Sands, M.D., *Research Fellow in Pediatrics.*
Edgar J. Schoen, M.D., *Research Fellow in Pediatrics.*
Louis Schwab, M.D., *Research Fellow in Pediatrics.*
Robert Schwartz, M.D., *Research Fellow in Pediatrics.*
George A. Smart, M.D., *Research Fellow in Pediatrics.*
Honor V. Smith, M.D., *Research Fellow in Pediatrics.*
Edna H. Sobel, M.D., *Research Fellow in Pediatrics.*
Thomas Stapleton, M.B., Ch.B., *Research Fellow in Pediatrics.*
Richard B. Streeper, M.D., *Research Fellow in Pediatrics.*
George H. Taft, M.D., *Research Fellow in Pediatrics.*
Ellsworth A. Twible, M.D., *Research Fellow in Pediatrics.*
Isabelle Valadian, M.D., *Research Fellow in Pediatrics.*
Victor C. Vaughan, 3d, M.D., *Research Fellow in Pediatrics.*
Ralph J. P. Wedgwood, M.D., *Research Fellow in Pediatrics.*
James A. Wolff, M.D., *Research Fellow in Pediatrics.*

Aniela S. Zygmuntowicz, A.B., *Research Fellow in Pediatrics.*
Frederic M. Blodgett, M.D., *Teaching Fellow in Pediatrics.*
Wayne H. Borges, M.D., *Teaching Fellow in Pediatrics.*
Cecil Collins-Williams, M.D., *Teaching Fellow in Pediatrics.*
C. Davenport Cook, M.D., *Teaching Fellow in Pediatrics.*
Douglas T. Davidson, M.D., *Teaching Fellow in Pediatrics.*
Franklin L. DeBusk, M.D., *Teaching Fellow in Pediatrics.*
John A. Duggan, M.D., *Teaching Fellow in Pediatrics.*
Herbert S. Harned, Jr., M.D., *Teaching Fellow in Pediatrics.*
George G. Haydock, M.D., *Teaching Fellow in Pediatrics.*
Pope B. Holliday, M.D., *Teaching Fellow in Pediatrics.*
Fred H. Howard, M.D., *Teaching Fellow in Pediatrics.*
Hans G. Keitel, M.D., *Teaching Fellow in Pediatrics.*
John H. Kennell, M.D., *Teaching Fellow in Pediatrics.*
Robert Klein, M.D., *Teaching Fellow in Pediatrics.*
Marshall B. Kreidberg, M.D., *Teaching Fellow in Pediatrics.*
Henry T. Lang, Jr., M.D., *Teaching Fellow in Pediatrics.*
Cornelius Lansing, M.D., *Teaching Fellow in Pediatrics.*
Oliver E. Laxdal, M.D., *Teaching Fellow in Pediatrics.*
Loren G. MacKinney, M.D., *Teaching Fellow in Pediatrics.*
Robert J. McKay, M.D., *Teaching Fellow in Pediatrics.*
Robert L. Meineker, M.D., *Teaching Fellow in Pediatrics.*
Russell A. Morissette, M.D., *Teaching Fellow in Pediatrics.*
Howard H. Nichols, M.D., *Teaching Fellow in Pediatrics.*
Granville H. Nickerson, M.D.C.M., *Teaching Fellow in Pediatrics.*
William Pfeffer, Jr., M.D., *Teaching Fellow in Pediatrics.*
James A. O'Shea, M.D., *Teaching Fellow in Pediatrics.*
Stephen W. Royce, M.D., *Teaching Fellow in Pediatrics.*
Gerald B. Shattuck, M.D., *Teaching Fellow in Pediatrics.*
Allan B. Stimson, M.D., *Teaching Fellow in Pediatrics.*
Robert G. Tyson, M.D., *Teaching Fellow in Pediatrics.*
William J. Waters, M.D., *Teaching Fellow in Pediatrics.*

Harold C. Stuart, M.D., *Professor of Maternal and Child Health.*
Conrad Wesselhoeft, M.D., *Clinical Professor of Infectious Diseases.*
Stuart S. Stevenson, M.D., *Assistant Professor in Child Health.*

Required Courses

Second Year.—Lectures are given during the second year to familiarize the students with the study of children's diseases before they come into contact with patients. In this series are discussed the physiology of nutrition and the principles of infant feeding, the anatomical and physiological differences between children and adults, a consideration of the normal

growth and development of children and the physiology and pathology of extracellular body fluids.

Third Year. — 1. Eight whole class exercises are given during the first half-year, in which the more important aspects of the diseases of childhood are presented. Three whole class lectures, on special subjects, are assigned to pediatrics by the Department of Medicine.

2. Section teaching: Each section, during its assignment to the Children's Hospital for thirty-two days, receives correlated instruction in pediatrics, surgery, and orthopaedic surgery. The students are assigned to the out-patient department for eleven periods (three hours each) where under the supervision of instructors they receive actual experience in history-taking, physical examination and the care of infants and children. Conferences and clinics on important aspects of pediatrics form part of the course. One afternoon a week is devoted to demonstrations and practice in the care of the normal infant and child and five other afternoon exercises are devoted to infectious diseases, chiefly at the Haynes Memorial Hospital.

Fourth Year. — The fourth year work consists of a month of instruction, either at the Children's Medical Service of the Massachusetts General Hospital or at the Children's and Infants' Hospitals. The students act as clinical clerks on the wards and receive instruction in infectious diseases at the Haynes Memorial Hospital once a week.

SECOND YEAR	HOURS
Clinical lectures. C.H. *Second half-year.*	9

THIRD YEAR	
Clinical lectures. C.H. *First half-year.*	8
Section teaching. C.H. and I.H. *Throughout the year.*	63

FOURTH YEAR	
C1. Clinical Clerkship. Dr. Janeway and Associates. C.H. and I.H.	144
C2. Clinical Clerkship. Dr. Butler and Associates. M.G.H.	144

Fourth Year Elective Courses

3. Advanced Pediatrics. Dr. Janeway and Associates. C.H. and I.H. Whole course, all day.
4. Advanced Pediatrics. Dr. Butler and Associates. M.G.H. Whole-course, all day.
6. Advanced Pediatrics (Infectious Diseases). Dr. Wesselhoeft and Dr. Weinstein. Haynes Memorial Hospital. Whole course, all day.

Obstetrics

Arthur T. Hertig, M.D., *Professor of Pathology at the Boston Lying-in and at the Free Hospital for Women.*
Duncan E. Reid, M.D., *William Lambert Richardson Professor of Obstetrics* and *Head of the Department.*
Franklin F. Snyder, M.D., *Associate Professor of Anatomy* and *Obstetrics.*
John Rock, M.D., *Clinical Professor of Gynaecology.*
Thomas R. Goethals, M.D., *Assistant Professor of Obstetrics.*
M. Fletcher Eades, M.D., *Instructor in Obstetrics.*
A. Gordon Gauld, M.D., *Instructor in Obstetrics* and *Gynaecology.*
Thomas W. Grzebien, M.D., *Instructor in Obstetrics.*
Paul Gustafson, M.D., *Instructor in Obstetrics.*
Samuel B. Kirkwood, M.D., *Instructor in Obstetrics* and *Gynaecology.*
John F. Murphy, M.D., *Instructor in Obstetrics.*
H. Bristol Nelson, M.D., *Instructor in Obstetrics.*
John L. Newell, M.D., *Instructor in Obstetrics.*
Alfred L. Potter, M.D., *Instructor in Obstetrics.*
Francis Rouillard, M.D., *Instructor in Obstetrics.*
Charles P. Sheldon, M.D., *Instructor in Obstetrics.*
Judson A. Smith, M.D., *Instructor in Obstetrics.*
John G. Walsh, M.D., *Instructor in Obstetrics.*
George W. Waterman, M.D., *Instructor in Obstetrics.*
Daniel Abramson, M.D., *Assistant in Obstetrics.*
Robert H. Barker, M.D., *Assistant in Obstetrics.*
William L. Caton, M.D., *Assistant in Obstetrics.*
John A. Coyne, M.D., *Assistant in Obstetrics.*
Gene A. Croce, M.D., *Assistant in Obstetrics.*
John J. Driscoll, M.D., *Assistant in Obstetrics.*
Luke Gillespie, M.D., *Assistant in Obstetrics* and *Gynaecology.*
Daniel H. Hindman, M.D., *Assistant in Obstetrics.*
Crawford H. Hinman, M.D., *Assistant in Obstetrics.*
John F. Jewett, M.D., *Assistant in Obstetrics.*
Francis R. Lane, M.D., *Assistant in Obstetrics.*
Herbert T. Leighton, M.D., *Assistant in Obstetrics.*
William J. Mulligan, M.D., *Assistant in Obstetrics* and *Gynaecology.*
Weston F. Sewall, M.D., *Assistant in Obstetrics.*
Arthur W. Tucker, Jr., M.D., *Assistant in Obstetrics* and *Gynaecology.*
Roscoe L. Wall, Jr., M.D., *Assistant in Obstetrics.*
Allen P. Winsor, M.D., *Assistant in Obstetrics.*
Charles C. Roby, Ph.D., *Research Fellow in Obstetrics.*
Seymour L. Romney, M.D., *Research Fellow in Obstetrics.*
Lloyd I. Sexton, M.D., *Research Fellow in Obstetrics.*

Bertram H. Buxton, Jr., M.D., *Teaching Fellow in Obstetrics.*
Jerome S. Harris, M.D., *Teaching Fellow in Obstetrics.*
Olive D. Hoffman, M.D., *Teaching Fellow in Obstetrics.*
Edward O. Hubbard, Jr., *Teaching Fellow in Obstetrics.*
Albert E. Weiner, M.D., *Teaching Fellow in Obstetrics.*

Required Courses

Third Year. — Students are assigned for a period of two weeks to the Boston Lying-in Hospital or to the Providence Lying-in Hospital. Each student will have an opportunity to study the care of pregnancy in the prenatal clinic. Instruction will be given in pelvimetry, examination of the obstetrical pelvis, and the fetal presentation and position. Under special instructors, considerable time will be devoted to conferences on normal obstetrics. The student will attend special clinics, and part of his time will be devoted to work in the labor and delivery rooms.

Fourth Year. — This course takes one month of the regular fourth year curriculum. It will be given at the Boston Lying-in Hospital. During one third of the course the student will lodge at the Hospital and devote his time chiefly to attendance on cases in the Hospital. In the course of this work he will be called on to assist at operations and will be expected to make ward visits with the physician on duty in the Hospital. In the other part of the course he will continue to conduct the convalescence of the cases delivered by him during his resident service, and make daily ward visits at which clinical instruction will be given in the general management of normal and abnormal labor, in the study of the puerperal convalescence, and in the care of the young infant. During this period each student will be assigned to normal cases in the Hospital to follow through labor, delivery, and the puerperium. During one third of the course the student will take histories and examine all patients who are admitted to the Hospital with medical conditions complicating the pregnant state. The remainder of his time will be devoted to the preparation of a paper on any obstetrical or related subject. The student will also be given a course of demonstrations in operative obstetrics during his resident service, and each student will have an opportunity to perform the different operations on the manikin. Student conferences and instruction in obstetrical pathology will be an important part of the course.

SECOND YEAR	HOURS
Lectures on Normal Obstetrics. Dr. Reid and Associates. H.M.S. *Three times a week for four weeks.*	12

THIRD YEAR

Lectures on Abnormal Obstetrics. Dr. Reid and Associates. H.M.S. *Saturday mornings for twenty-four weeks.* 24

Practical instruction in Clinical Obstetrics by members of the Department. *Throughout the year.* 104

FOURTH YEAR

C1. General Obstetrics. Dr. Reid and Associates. B.L.I.H. Practical instruction, in sections, in Clinical Obstetrics. *One month.* 144

Voluntary Course

30. The Physiology of Reproduction. Dr. Rock. Tuesdays, 3.30 P.M., *offered one month during the year*, H.M.S.

Preventive Medicine

David D. Rutstein, M.D., *Professor of Preventive Medicine* and *Head of the Department.*

W. Lloyd Aycock, M.D., *Associate Professor of Preventive Medicine and Hygiene.*

Gilcin F. Meadors, Jr., M.D., M.P.H., *Instructor in Preventive Medicine.*

Henry J. Kowalski, M.D., *Research Fellow in Preventive Medicine.*

William E. Reynolds, M.D., *Research Fellow in Preventive Medicine.*

The preventive aspects of medicine and its various specialties are taught in all departments of the Medical School, and arrangements are made for the integration of such teaching with the more formal teaching in the required course in preventive medicine. An effort is made to stress those aspects of preventive medicine which concern the practicing physician, rather than those which concern the public health officer.

Required Course

Preventive Medicine A. *Third Year.* The course in preventive medicine consists of clinics, lectures, demonstrations and a health survey. The preventive aspects of clinical medicine are correlated with information in the fields of epidemiology, social medicine, industrial medicine and medical economics.

THIRD YEAR HOURS

Clinics, lectures and demonstrations. Drs. Rutstein, Aycock and Staff, in coöperation with representatives of other departments. 135

VOLUNTARY COURSE

31. Advanced Work in Preventive Medicine and Epidemiology. Dr. RUTSTEIN and Associates. The department offers opportunity for special study in field and laboratory. Tuesday and Thursday afternoons throughout the year. Students will be accepted after consultation with the staff of the department.

Surgery

HENRY K. BEECHER, M.D., *Henry Isaiah Dorr Professor of Research in Anaesthesia.*

EDWARD D. CHURCHILL, M.D., Dr. (hon.), S.D. (hon.), F.R.C.S. (hon.), *John Homans Professor of Surgery*, and *Head of the Department at the Massachusetts General Hospital.*

JACOB FINE, M.D., *Professor of Surgery at the Beth Israel Hospital*, and *Head of the Department at the Beth Israel Hospital.*

ROBERT E. GROSS, M.D., *William E. Ladd Professor of Child Surgery*, and *Head of the Department at the Children's Hospital.*

FRANCIS D. MOORE, M.D., *Moseley Professor of Surgery*, and *Head of the Department at the Peter Bent Brigham Hospital.*

OLIVER COPE, M.D., *Associate Professor of Surgery.*

FRANC D. INGRAHAM, M.D., *Associate Professor of Surgery at the Children's Hospital.*

JAMES C. WHITE, M.D., *Associate Professor of Surgery at the Massachusetts General Hospital.*

THOMAS H. LANMAN, M.D., *Clinical Professor of Surgery.*

LELAND S. MCKITTRICK, M.D., *Clinical Professor of Surgery.*

FRANCIS C. NEWTON, M.D., *Clinical Professor of Surgery.*

J. HARTWELL HARRISON, M.D., *Associate Clinical Professor of Genito-Urinary Surgery.*

RICHARD H. SWEET, M.D., *Associate Clinical Professor of Surgery.*

FLETCHER H. COLBY, M.D., *Assistant Clinical Professor of Genito-Urinary Surgery.*

BROWN MCI. DOBYNS, M.D., *Assistant Professor of Surgery.*

J. ENGELBERT DUNPHY, M.D., *Assistant Professor of Surgery.*

HOWARD ALVIN FRANK, M.D., *Assistant Professor of Surgery at the Beth Israel Hospital.*

DWIGHT E. HARKEN, M.D., *Assistant Clinical Professor of Surgery.*

ROBERT R. LINTON, M.D., *Assistant Clinical Professor of Surgery.*

CHARLES C. LUND, M.D., *Assistant Clinical Professor of Surgery.*

DONALD MUNRO, M.D., *Assistant Clinical Professor of Neurological Surgery.*

IRA T. NATHANSON, M.D., *Assistant Professor of Surgery.*

Arnold M. Seligman, M.D., *Assistant Professor of Surgery at the Beth Israel Hospital* and *Tutor.*

Fiorindo A. Simeone, M.D., *Assistant Professor of Surgery.*

William H. Sweet, M.D., *Assistant Professor of Surgery.*

Grantley W. Taylor, M.D., *Assistant Clinical Professor of Surgery.*

Carl W. Walter, M.D., *Assistant Clinical Professor of Surgery.*

Marshall K. Bartlett, M.D., *Clinical Associate in Surgery.*

Edward B. Benedict, M.D., *Clinical Associate in Surgery.*

Bradford Cannon, M.D., *Clinical Associate in Surgery.*

Henry H. Faxon, M.D., *Clinical Associate in Surgery.*

Edward Hamlin, Jr., M.D., *Clinical Associate in Surgery.*

Donald W. MacCollum, M.D., *Associate in Surgery.*

Donald D. Matson, M.D., *Associate in Surgery at the Children's Hospital* and *the Peter Bent Brigham Hospital.*

Harlan F. Newton, M.D., *Clinical Associate in Surgery.*

George C. Prather, M.D., *Clinical Associate in Surgery.*

Thomas B. Quigley, M.D., *Clinical Associate in Surgery, Surgeon, Department of Hygiene,* and *Surgeon to the Harvard Athletic Association.*

Bertram Selverstone, M.D., *Associate in Surgery at the Massachusetts General Hospital.*

Orvar Swenson, M.D., *Associate in Surgery.*

Augustus Thorndike, M.D., *Associate in Surgery, Chief Surgeon to the Department of Hygiene, and to the Harvard Athletic Association.*

Howard Ulfelder, M.D., *Clinical Associate in Surgery.*

Richard Warren, M.D., *Clinical Associate in Surgery.*

Claude E. Welch, M.D., *Clinical Associate in Surgery.*

Clarence L. Claff, A.B., *Research Associate in Surgery.*

Orrie M. Friedman, Ph.D., *Research Associate in Surgery.*

Walter, Juda, Dr.-Es-Sc., *Research Associate in Surgery.*

George Austen, Jr., M.D., *Instructor in Surgery.*

James B. Blodgett, M.D., *Instructor in Surgery.*

Thomas W. Botsford, M.D., *Instructor in Surgery.*

Bernard D. Briggs, M.D., *Instructor in Anaesthesia.*

Richard Chute, M.D., *Instructor in Surgery.*

David W. Compton, M.D., *Instructor in Anaesthesia* (resigned August 31, 1948).

Chilton Crane, M.D., *Instructor in Surgery* and *Assistant Surgical Adviser, Department of Hygiene.*

Ernest M. Daland, M.D., *Instructor in Surgery.*

William S. Derrick, M.D., *Instructor in Anaesthesia.*

George E. Donaghy, M.D., *Instructor in Anaesthesia.*

John W. D. Garrett, M.D., *Instructor in Anaesthesia.*

Samuel Gilman, M.D., *Instructor in Anaesthesia.*

Bert B. Hershenson, M.D., *Instructor in Anaesthesia.*
Henry W. Hudson, Jr., M.D., *Instructor in Surgery.*
Charles A. Hufnagel, M.D., *Instructor in Surgery.*
Lee G. Kendall, M.D., *Instructor in Surgery.*
Ernest K. Landsteiner, M.D., *Instructor in Surgery.*
Walter S. Levenson, M.D., *Instructor in Surgery.*
Luther A. Longino, M.D., *Instructor in Surgery.*
Charles A. MacGregor, M.D., *Instructor in Surgery.*
John B. McKittrick, M.D., *Instructor in Surgery.*
Richard Muellner, M.D., *Instructor in Surgery.*
Robert S. Myers, M.D., *Instructor in Surgery.*
Louis H. Nason, M.D., *Instructor in Surgery.*
William C. Quinby, Jr., M.D., *Instructor in Surgery.*
John W. Raker, M.D., *Instructor in Surgery.*
Horatio Rogers, M.D., *Instructor in Surgery.*
Frederick P. Ross, M.D., *Instructor in Surgery.*
J. Gordon Scannell, M.D., *Instructor in Surgery.*
Frank G. Sheddan, Jr., M.D., *Instructor in Surgery.*
Robert M. Smith, M.D., *Instructor in Anaesthesia.*
Lamar Soutter, M.D., *Instructor in Surgery.*
Arnold Starr, M.D., *Instructor in Surgery.*
Donald P. Todd, M.D., *Instructor in Anaesthesia.*
John H. Tucci, M.D., *Instructor in Anaesthesia.*
Arthur L. Abrams, M.D., *Assistant in Anaesthesia.*
Henry T. Ballantine, Jr., M.D., *Assistant in Surgery.*
Hathorn P. Brown, M.D., *Assistant in Surgery.*
Charles B. Burbank, M.D., *Assistant in Surgery.*
John W. Chamberlain, M.D., *Assistant in Surgery.*
Gordon A. Donaldson, M.D., *Assistant in Surgery.*
Edward D. Frank, M.D., *Assistant in Surgery.*
F. Thomas Gephart, M.D., *Assistant in Surgery.*
W. Philip Giddings, M.D., *Assistant in Surgery.*
Irad B. Hardy, Jr., M.D., *Assistant in Surgery.*
Louis Hermanson, M.D., *Assistant in Surgery.*
Sylvester B. Kelley, M.D., *Assistant in Surgery.*
Walter S. Kerr, Jr., M.D., *Assistant in Surgery.*
Henry A. Kontoff, M.D., *Assistant in Surgery.*
Wyland F. Leadbetter, M.D., *Assistant in Surgery.*
Samuel Lowis, M.D., *Assistant in Surgery.*
Patrick J. Mahoney, M.D., *Assistant in Surgery.*
Adolph Meltzer, M.D., *Assistant in Surgery.*
Carroll C. Miller, M.D., *Assistant in Surgery.*
Charles G. Mixter, Jr., M.D., *Assistant in Surgery.*

John B. Sears, M.D., *Assistant in Surgery.*
Arnold L. Segel, M.D., *Assistant in Surgery.*
Howard I. Suby, M.D., *Assistant in Surgery.*
Richard H. Wallace, M.D., *Assistant in Surgery.*
Paul F. Ware, M.D., *Assistant in Surgery.*
George F. Wilkins, M.D., *Assistant in Surgery.*
Rivka Ashbel, D.Sc., *Research Fellow in Surgery.*
Louis Bakay, M.D., *Research Fellow in Surgery.*
Wiley F. Barker, M.D., *Arthur Tracy Cabot Fellow in Surgery.*
Edgar A. Bering, Jr., M.D., *Research Fellow in Surgery.*
Reinaldo F. Brignone, M.D., *Research Fellow in Surgery.*
John R. Brooks, M.D., *Research Fellow in Surgery.*
Leslie Corsa, Jr., M.D., *Research Fellow in Surgery.*
John J. Cranley, Jr., M.D., *Research Fellow in Surgery.*
Edgard A. DeMuylder, M.D., *Research Fellow in Surgery.*
Jane E. Denton, M.D., *Research Fellow in Anaesthesia.*
Thomas J. Donovan, M.D., *Research Fellow in Surgery.*
André Duprez, M.D., *Research Fellow in Surgery.*
Harry H. G. Eastcott, M.B., *Research Fellow in Surgery.*
Isidore S. Edelman, M.D., *Research Fellow in Surgery.*
John M. Erskine, M.D., *Research Fellow in Surgery.*
Albert W. Farley, Jr., M.D., *Research Fellow in Surgery.*
Davitt A. Felder, M.D., *Research Fellow in Surgery.*
Kenneth Fremont-Smith, M.D., *Research Fellow in Anaesthesia.*
Bent J. Friis-Hansen, M.D., *Research Fellow in Surgery.*
Philip Glotzer, M.D., *Research Fellow in Surgery.*
Beniamino Guidetti, M.D., *Research Fellow in Surgery.*
Bernard J. Harries, M.B., *Research Fellow in Surgery.*
Milton C. Hoffman, M.D., *Research Fellow in Surgery.*
James F. Hopkirk, M.D.C.M., *Research Fellow in Surgery.*
Robert A. Jamieson, M.B., Ch.B., *Research Fellow in Surgery.*
Andrew G. Jessiman, M.B.Ch.B., *Arthur Tracy Cabot Fellow.*
John B. Kinmonth, M.B., *Research Fellow in Surgery.*
Harry M. Klinger, M.D., *Research Fellow in Surgery.*
John Lu, M.D., *Research Fellow in Surgery.*
Edmund C. Meadows, M.D., *Research Fellow in Surgery.*
Irving A. Meeker, Jr., M.D., *Research Fellow in Surgery.*
Charles Mentha, M.D., *Research Fellow in Surgery.*
William R. Merrington, M.Surg., *Research Fellow in Surgery.*
Albert J. D. Michel, M.D., *Research Fellow in Surgery.*
Carlo A. Montagnani, M.D., *Research Fellow in Surgery.*
Marvin M. Nachlas, M.D., *Research Fellow in Surgery.*

George L. Nardi, M.D., *Milton Fellow.*
Edgar McC. Neptune, Jr., M.D., *Research Fellow in Surgery.*
Doreen Nightingale, M.B., *Research Fellow in Surgery.*
John McL. Olney, Jr., M.D., *Henry E. Warren Fellow in Surgery.*
Edmund C. Peirce, 2d, M.D., *Research Fellow in Surgery.*
John F. Prudden, M.D., *Research Fellow in Surgery.*
Harold F. Rheinlander, M.D., *Research Fellow in Surgery.*
John E. Richardson, M.B., *Research Fellow in Surgery.*
Keith E. Rogers, M.D., *Research Fellow in Surgery.*
Chester B. Rosoff, M.D., *Research Fellow in Surgery.*
Donald O. Rudin, M.D., *Research Fellow in Anaesthesia.*
Paul R. Schloerb, M.D., *Research Fellow in Surgery.*
Richard H. Segnitz, M.D., *Research Fellow in Surgery.*
Wilfred T. Small, M.D., *Research Fellow in Surgery.*
Georges Stoll, M.D., *Research Fellow in Surgery.*
Anthony F. Susen, M.D., *Research Fellow in Surgery.*
Selwyn F. Taylor, M.B., *Research Fellow in Surgery.*
J. David Wade, M.B., Ch.B., *Research Fellow in Surgery.*
Philip H. Walker, M.D., *Research Fellow in Surgery.*
Preston S. Weadon, M.D., *Research Fellow in Surgery.*
Anne Wight, M.D., *Research Fellow in Surgery.*
George J. Wittenstein, M.D., *Research Fellow in Surgery.*
George Wolf, Dr.Phil., *Research Fellow in Chemistry.*
Morris Abrams, M.D., *Teaching Fellow on Genito-Urinary Surgery.*
Richard W. Garrity, M.D., *Teaching Fellow in Surgery.*
Daniel R. Gray, Jr., M.D., *Teaching Fellow in Surgery.*
David M. Hume, M.D., *Teaching Fellow in Surgery.*
James E. Lewis, Jr., M.D., *Teaching Fellow in Surgery.*
William V. McDermott, M.D., *Teaching Fellow in Surgery.*
Lester Persky, M.D., *Teaching Fellow in Surgery.*
Lawrence K. Pickett, M.D., *Teaching Fellow in Surgery.*
Arnold Porter, M.D., *Teaching Fellow in Surgery.*
Benson B. Roe, M.D., *Teaching Fellow in Surgery.*
Bernard R. Sears, M.D., *Teaching Fellow in Surgery.*
John E. Stewart, M.D., *Teaching Fellow in Surgery.*
John L. Wilson, M.D., *Teaching Fellow in Surgery.*
Robert P. Woods, M.D.C.M., *Teaching Fellow in Surgery.*

Required Courses

Instruction will be given by amphitheatre clinics, lectures, and conferences, together with section teaching in the wards and outpatient departments of the hospitals and in the surgical research laboratories.

Second Year.—The course is designed to correlate preclinical sciences with the basic principles underlying the surgical management of injury and disease. The Department of Surgery joins with the Department of Medicine in a series of exercises in physical diagnosis and laboratory medicine to offer unified instruction in case taking. Practical exercises are offered that introduce the student to basic surgical technics.

Third Year.—The course is conducted in the outpatients and wards of the hospitals affiliated with the School. The students are divided into three groups, each group in rotation being apportioned to one of the hospitals affiliated with the School for instruction in surgery over a sixty-four-day period. During this period they will study general surgery and urology at the hospital to which they are assigned, and will also receive instruction in gynaecology at the Free Hospital for Women and the Massachusetts General Hospital and in laryngology at the Massachusetts Eye and Ear Infirmary. Instruction in the surgery of children is given during the pediatric section work at the Children's Hospital. Opportunity for experience in surgical operative technics is offered in Voluntary Course 32 that may be taken in conjunction with section work.

Fourth Year.—A series of not less than two months as clinical clerk in the surgical wards of the M.G.H., P.B.B.H., C.H., or B.I.H. is required of each student. Surgery C5 is limited to qualified students and applications are to be made in person.

Each student, before graduation, is required to administer six inhalation (ether) anaesthesias and is responsible for charting the course of three patients during local or spinal anaesthesia.

SECOND YEAR	HOURS
Lectures and demonstrations on the fundamental aspects of clinical surgery and anaesthesia. Drs. Beecher, Churchill, Moore, and Associates. M.G.H. and P.B.B.H. *Second half-year.*	15
Section work case taking, lectures and demonstrations on the physical diagnosis of surgical disease in conjunction with the Department of Medicine. M.G.H., P.B.B.H., and B.I.H. *Each student has twenty-four exercises.*	84
THIRD YEAR	
Amphitheatre lectures. Drs. Churchill, Moore, and Associates. *Once a week throughout the year.*	32
Exercises in sections in the wards and out-patient departments at the M.G.H., P.B.B.H., and B.I.H. *Each section has thirty-two exercises of two and a half hours each and twenty-one exercises of three hours each.*	116

Genito-Urinary Surgery. Lectures. *Second half-year.* 6

Section work. M.G.H., P.B.B.H., and B.I.H. *Each student has ten or eleven two-and-a-half-hour exercises.* 27

Children's Surgery. Section work. C.H. *Each student has four one-and-a-half-hour exercises, eleven one-hour exercises, and five two-hour exercises.* 27

FOURTH YEAR

Clinical Clerkship: M.G.H. (Surgery C1, Dr. CHURCHILL and Associates); P.B.B.H. (Surgery C3, Dr. MOORE and Associates); B.I.H. (Surgery C4, Dr. FINE and Associates); C.H. (Surgery C5, Children's Surgery, Dr. GROSS and Associates). 288

FOURTH YEAR ELECTIVE COURSES

8. Genito-Urinary Surgery. Dr. HARRISON. P.B.B.H. Whole course, all day. Limited to two students each month.
9. Anaesthesia. Dr. BEECHER. M.G.H. Whole course, all day. Attendance limited. Applications to be made in person.
10. Neurosurgery. Dr. J. C. WHITE and Associates. M.G.H. Whole course, all day, limited to two students each month. Clinical clerkship on the neurosurgical wards. Apply to Dr. WHITE.
20. Surgical Investigation. H.M.S. Laboratory for Surgical Research. Whole course, all day. Dr. MOORE and Associates.
21. Surgical Investigation. Dr. CHURCHILL and Associates. M.G.H. Whole course, all day.

VOLUNTARY COURSES

31. Clinical Applied Anatomy. Drs. CHURCHILL, MOORE, and Associates. Saturdays, 9 to 10 A.M., coincident with Anatomy. M.G.H. and P.B.B.H. Open to first year students. (Same course as Anatomy 30.)
32. Surgical Technique. Members of the third year class may register for the following courses in surgical technique at the hospital to which they have been assigned for their section work.

    1. Operative Technique. Dr. J. B. MCKITTRICK and Associates. Thursday afternoons throughout the year. Surgical Laboratories, M.G.H. May only be taken coincidentally with section work.

    2. Operative Technique. Dr. WALTER and Associates. Thursday afternoons during the Second Trimester. Laboratory for Surgical Research, H.M.S. Apply to Dr. Walter during November.

    3. Operative Technique. Dr. FINE and Associates. Thursday afternoons throughout the year. Surgical Research Laboratory, B.I.H.

Gynaecology

George Van S. Smith, M.D., *W. H. Baker Professor of Gynaecology* and *Head of the Department.*
Joe V. Meigs, M.D., *Clinical Professor of Gynaecology.*
John Rock, M.D., *Clinical Professor of Gynaecology.*
C. Langdon Parsons, M.D., *Assistant Clinical Professor of Gynaecology* (resigned February 1, 1949).
Howard Ulfelder, M.D., *Clinical Associate in Gynaecology.*
Olive W. Smith, Ph.D., *Research Associate in Gynaecology.*
Christopher J. Duncan, M.D., *Instructor in Gynaecology.*
A. Gordon Gauld, M.D., *Instructor in Gynaecology* and *Obstetrics.*
Samuel B. Kirkwood, M.D., *Instructor in Gynaecology and Obstetrics.*
Francis McC. Ingersoll, M.D., *Instructor in Gynaecology.*
Fred A. Simmons, M.D., *Instructor in Gynaecology.*
Somers H. Sturgis, M.D., *Instructor in Gynaecology.*
Paul A. Younge, M.D., *Instructor in Gynaecology.*
W. Benjamin Bacon, M.D., *Assistant in Gynaecology.*
Patricia S. Benedict, M.D., *Assistant in Gynaecology.*
Luke Gillespie, M.D., *Assistant in Gynaecology* and *Obstetrics.*
George D. Krumbhaar, M.D., *Assistant in Gynaecology.*
William J. Mulligan, M.D., *Assistant in Gynaecology* and *Obstetrics.*
Joseph H. Phillips, M.D., *Assistant in Gynaecology.*
Edward B. Sheehan, M.D., *Assistant in Gynaecology.*
Arthur W. Tucker, Jr., M.D., *Assistant in Gynaecology* and *Obstetrics.*
Frederick M. Hanson, M.D., *Research Fellow in Gynaecology.*
Donald V. Baker, M.D., *Teaching Fellow in Gynaecology.*
George T. Carson, M.D.C.M., *Teaching Fellow in Gynaecology.*
Mark E. Conan, M.D., *Teaching Fellow in Gynaecology.*
Samuel H. Davidson, M.D., *Teaching Fellow in Gynaecology.*
Robert R. Pierce, M.D., *Teaching Fellow in Gynaecology.*
Seymour L. Romney, M.D., *Teaching Fellow in Gynaecology.*
Bartlett H. Stone, M.D., *Teaching Fellow in Gynaecology.*

Required Course

Third Year. — Instruction is given by lectures and clinical teaching in the wards and outpatient departments of the Free Hospital for Women and the Massachusetts General Hospital. The student is instructed in the examination, diagnosis, and treatment of gynaecological disease.

THIRD YEAR HOURS

Lectures. Drs. Smith, Meigs and Rock. H.M.S. 6

Clinical exercises. Drs. Rock, Duncan, Phillips, Sheehan, and Younge, F.H.W., and Drs. Meigs, Benedict, Ingersoll, Simmons, and Sturgis. M.G.H. *In sections, throughout the year. Each student attends ten or twelve exercises.* 27

Fourth Year Elective Course

1. Clinical Course. Drs. Smith, Rock, Duncan, Phillips, Sheehan and Younge. F.H.W. Gynaecological pathology included, by Dr. Arthur T. Hertig and Assistants. Full course, one month, all day, offered throughout the year.

Orthopaedic Surgery

Joseph S. Barr, M.D., *Clinical Professor of Orthopaedic Surgery* and *Head of the Department at the Massachusetts General Hospital.*

William T. Green, M.D., *Clinical Professor of Orthopaedic Surgery* and *Head of the Department at the Children's Hospital.*

Albert H. Brewster, M.D., *Associate in Orthopaedic Surgery.*

Edwin F. Cave, M.D., *Associate in Orthopaedic Surgery.*

G. Kenneth Coonse, M.D., *Associate in Orthopaedic Surgery.*

David S. Grice, M.D., *Instructor in Orthopaedic Surgery.*

Armin Klein, M.D., *Instructor in Orthopaedic Surgery.*

John G. Kuhns, M.D., *Instructor in Orthopaedic Surgery and Anatomy.*

Robert H. Morris, M.D., *Instructor in Orthopaedic Surgery.*

William A. Rogers, M.D., *Instructor in Orthopaedic Surgery.*

George W. Van Gorder, M.D., *Instructor in Orthopaedic Surgery.*

Otto E. Aufranc, M.D., *Assistant in Orthopaedic Surgery.*

Thomas F. Broderick, Jr., M.D., *Assistant in Orthopaedic Surgery.*

William A. Elliston, M.B., Ch.B., *Assistant in Orthopaedic Surgery.*

Thomas D. Gucker, 3d, M.D., *Assistant in Orthopaedic Surgery.*

Paul W. Hugenberger, M.D., *Assistant in Orthopaedic Surgery.*

Robert J. Joplin, M.D., *Assistant in Orthopaedic Surgery.*

Meier G. Karp, M.D., *Assistant in Orthopaedic Surgery.*

Raymond F. Kuhlman, M.D., *Assistant in Orthopaedic Surgery.*

Carroll B. Larson, M.D., *Assistant in Orthopaedic Surgery.*

Paul L. Norton, M.D., *Assistant in Orthopaedic Surgery.*

Eugene E. Record, M.D., *Assistant in Orthopaedic Surgery.*

John A. Reidy, M.D., *Assistant in Orthopaedic Surgery.*

Carter R. Rowe, M.D., *Assistant in Orthopaedic Surgery.*

Frank H. Stelling, M.D., *Assistant in Orthopaedic Surgery.*

Charles L. Sturdevant, M.D., *Assistant in Orthopaedic Surgery.*

Harrison B. O'Connor, M.D., *Research Fellow in Orthopaedic Surgery.*
Bedford F. Boylston, M.D., *Teaching Fellow in Orthopaedic Surgery.*
Thornton Brown, M.D., *Teaching Fellow in Orthopaedic Surgery.*
Albert B. Ferguson, Jr., M.D., *Teaching Fellow in Orthopaedic Surgery.*
Henry J. Freede, M.D., *Teaching Fellow in Orthopaedic Surgery.*
John F. Grube, M.D., *Teaching Fellow in Orthopaedic Surgery.*
Anthony V. Keese, M.D., *Teaching Fellow in Orthopaedic Surgery.*
Douglas T. Lindsey, M.D., *Teaching Fellow in Orthopaedic Surgery.*
Arthur W. Trott, M.D., *Teaching Fellow in Orthopaedic Surgery.*
George W. Westin, M.D., *Teaching Fellow in Orthopaedic Surgery.*

Required Course

Third Year.—Instruction is given in orthopaedic surgery by lectures at the Children's Hospital and the Massachusetts General Hospital in the first half of the third year, and throughout the third year by clinical exercises at the Children's Hospital, the Massachusetts General Hospital, and the Peter Bent Brigham Hospital.

THIRD YEAR	HOURS
Lectures. Drs. Barr, Green and Associates. M.G.H. and C.H. *First half-year.*	8
Clinical exercises. Drs. Barr, Green and Associates. C.H., M.G.H., and P.B.B.H. *In sections throughout the year.*	30

The students are assigned to the Children's Hospital; one-third of the period is spent in clinical exercises in orthopaedic surgery.

The clinical exercises in orthopaedic surgery and industrial surgery of adults are correlated with clinical exercises in general surgery at the Massachusetts General Hospital and the Peter Bent Brigham Hospital during the surgical assignment to these hospitals.

Fourth Year Elective Courses

1. Special Course. Dr. Barr and Associates. M.G.H. Whole course, all day. Limited to two students each month.
2. Clinical Course. Dr. Green and Associates. C.H. Whole course, all day. Limited to two students each month.
3. Clinical Course. Chief of Staff and Associates. C.H. and M.G.H. Whole course, all day. Limited to two students each month.

Otology and Laryngology

LeRoy A. Schall, M.D., *Walter Augustus Lecompte Professor of Otology* and *Professor of Laryngology*, and *Head of the Department.*
Robert L. Goodale, M.D., *Assistant Clinical Professor of Laryngology.*

Moses H. Lurie, M.D., *Assistant Clinical Professor of Otology.*
Philip E. Meltzer, M.D., *Lecturer on Otology.*
Charles H. Allman, M.D., *Instructor in Otology.*
Walter J. E. Carroll, M.D., *Instructor in Laryngology.*
Maurice G. Evans, M.D., *Instructor in Laryngology.*
Carlyle G. Flake, M.D., *Instructor in Laryngology.*
Edgar M. Holmes, M.D., *Instructor in Otology.*
George Kelemen, M.D., *Instructor in Otology.*
Berton E. Lovesey, M.D., *Instructor in Laryngology.*
Alexander S. MacMillan, M.D., *Instructor in Radiology.*
Werner Mueller, M.D., *Instructor in Otology and Laryngology.*
Philip Mysel, M.D., *Instructor in Otology.*
Josiah E. Quincy, M.D., *Instructor in Otology.*
Lyman G. Richards, M.D., *Instructor in Laryngology.*
John R. Richardson, M.D., *Instructor in Laryngology.*
Francis L. Weille, M.D., *Instructor in Laryngology.*
Joshua C. Drooker, M.D., *Assistant in Laryngology.*
Charles F. Ferguson, M.D., *Assistant in Otology.*
Albert K. T. Ho, M.D., *Assistant in Laryngology.*
Vincent J. Kelley, M.D., *Assistant in Laryngology.*
Joseph Lentine, M.D., *Assistant in Laryngology.*
Donald K. Lewis, M.D., *Assistant in Laryngology.*
Daniel Miller, M.D., *Assistant in Otology.*
Aram Roopenian, M.D., *Assistant in Otology.*
Herman J. Sternstein, M.D., *Assistant in Otolaryngology.*

Required Course

Third Year. — Instruction is given by lectures at the Harvard Medical School and clinical instruction in the third year in sections, each student receiving instruction every morning for two weeks at the Massachusetts Eye and Ear Infirmary with anatomical and histological demonstrations at the Harvard Medical School.

Laryngology. — Instruction consists of lectures and section work in the third year, each section being assigned to the throat clinic of the M.E.E.I. In addition to clinical instruction, special demonstrations in anatomy are given at the Harvard Medical School.

THIRD YEAR	HOURS
Clinical exercises in Otology. Dr. Schall and Staff. M.E.E.I. *Every student has eight exercises.*	27
Lectures in Otology. Dr. Lurie. H.M.S. *Five Tuesdays in first half-year.*	5

Clinical exercises in Laryngology. Dr. SCHALL and Staff. M.E.E.I. *Ten or eleven exercises for each student.* 27

Laryngology Lectures. Dr. SCHALL. H.M.S. *Six Tuesdays in second half-year.* 6

FOURTH YEAR ELECTIVE COURSES

1. Clinical Otology. Dr. SCHALL and Associates. M.E.E.I. Half-course, mornings, offered throughout the year.
2. Clinical Laryngology. Dr. SCHALL and Staff. M.E.E.I. Half-course, mornings, offered throughout the year.

Medical Military Science

NORMAN E. PEATFIELD, M.D., *Associate in Medical Military Science.*

VOLUNTARY COURSES

Each of the following courses will be of thirty-two hours' duration in the first, second and third years and will comprise lectures and conferences supplemented by films and other training aids. Members of the Staff and other outside speakers will be asked to aid in making the course as interesting and informative at possible.

These subjects will be taught in such a manner that they will be applicable to civilian medical practice.

1. Army organization as a whole and the Medical Department in particular. *October–January*, Thursdays, 5–6 P.M. *February–May*, Fridays, 4–5 P.M. Open to first year students.
2. The Operation of the Medical Department including First Aid, Medical Supply and Map Reading. *October–May*, Thursdays, 4–5 P.M. Open to Veterans having had six months to a year military service and previous ROTC training.
3. Military Preventive Medicine and Field Medicine and Surgery. *October–May*, Tuesdays, 4–5 P.M. Open to Veterans having had one year or more military service.

The following announcement of courses given in the School of Dental Medicine is an excerpt from the catalogue of the Harvard School of Dental Medicine.

SCHOOL OF DENTAL MEDICINE

Announcement of Courses

Division of Studies

Total Number of Hours for Each Subject

FIRST YEAR	SECOND YEAR
See Medical Curriculum	See Medical Curriculum

THIRD YEAR	HOURS	FOURTH YEAR	HOURS
Dental Morphology	36	Operative Dentistry (*)	18
Oral Pathology (*)	36	Prosthetic Dentistry (*)	82
Oral Hygiene (*)	20	Oral Surgery (*)	32
Roentgenology (*)	12	Dental Medicine (* 84 hours)	32
Operative Dentistry (*)	86	Practice Management	10
Prosthetic Dentistry (*)	203	Oral Diagnosis and Roentgenology (*)	39
Orthodontics (*)	16	Dental Materia Medica	15
Oral Surgery (* 20 hours)	8	Dental Clinical Seminar	32
Dental Medicine and Oral Diagnosis (* 82 hours)	104	General Clinic	415
Dental Clinical Seminar	32	Elective	381
Dental Public Health	20		
Dental Pediatrics	45		
General Clinic	560		
Total	1178	Total	1056

(*) These subjects are also covered in General Clinic, either to an indefinite extent or for the specific number of hours named.

The tabulated hours above indicate the approximate allotment of time for the third and fourth academic years in the School of Dental Medicine. As the entering classes are limited to fifteen students, it is possible to reduce the time usually involved in courses of applied dental techniques. Individual instruction, demonstrations, seminars and conferences will, to a great extent, replace the traditional lecture system.

The schedule provides a block of time in the fourth year to allow the student to follow special clinical or research interests. Students are assigned faculty advisers for guidance in these activities.

Operative Dentistry — 3rd and 4th years

Technique of cavity preparation, manipulation of plastic filling materials, gold inlay technique, conservative periodontal therapy and root canal therapy in the third year, supplemented by practice in the general clinic. Gold foil technique (optional) and further clinical practice in all phases in the fourth year. Odontotypes fitted to the headrests of the dental chairs in many instances avoid the necessity for learning two sets of hand motions: one for the bench and one for the chair.

James M. Dunning, D.D.S., M.P.H., *Dean*
G. Earl Thompson, D.M.D., *Assistant Professor of Clinical Dentistry*
Myron J. Van Leeuwen, D.D.S., *Assistant Professor of Clinical Dentistry* and *Director of Clinic*
Joseph P. Jazowski, D.M.D., *Clinical Associate in Dentistry*
Paul H. Keyes, D.D.S., *Associate in Clinical Dentistry* and *Assistant Director of Clinic*
Louis W. Soldan, Jr., D.M.D., *Assistant in Clinical Dentistry*
Harold L. Ehrlich, D.M.D., *Teaching Fellow in Clinical Dentistry*

Prosthetic Dentistry — 3rd and 4th years

Complete and partial denture technique and clinical practice in the third year. Crown and bridge technique and clinical practice in all phases in the fourth year. A study of dental materials and metallurgy in the third year.

Arthur M. Maloney, D.M.D., *Associate Professor of Clinical Dentistry*
Joseph P. Jazowski, D.M.D., *Clinical Associate in Dentistry*
George F. Kopf, D.D.S., *Instructor in Clinical Dentistry*
Louis W. Soldan, Jr., D.M.D., *Assistant in Clinical Dentistry*
Harold L. Ehrlich, D.M.D., *Teaching Fellow in Clinical Dentistry*

Pediatric Dentistry — 3rd and 4th years

Those phases of operative dentistry, oral hygiene, and orthodontics applicable to young children are carried on in the general clinic in the Dental Building. Special lectures are given in the third year. A course in dental pediatrics given in the fourth year is designed to cover those phases of systematic and oral disease best seen under hospital conditions and is conducted at Children's Hospital. Operative work is performed only for those children admitted to the Hospital. Cases involving systemic sequelae of dental disease and oral manifestations of systemic disease receive especial consideration. Students attend regular hospital conferences in surgery, clinical pathology, roentgenology, and medicine. Medicine and dental ward rounds are made.

Charles M. Waldo, D.D.S., *Associate Professor of Orthodontics*
Paul K. Losch, D.D.S., *Assistant Professor of Clinical Dentistry*
Edward I. Silver, D.M.D., *Lecturer on Pediatric Dentistry*
Various members of the Staff of the Children's Hospital including Drs. Sidney Farber, Robert E. Gross, Charles A. Janeway and Edward B. D. Neuhauser.

Dental Morphology and Physiology — 1st semester 3rd year.

Instruction in the special histology and embryology of the teeth and their supporting structures. Dental anatomy. Technique practice in reproduction of tooth forms.

Reidar F. Sognnaes, L.D.S., Ph.D., *Associate Professor of Dental Medicine*
G. Earl Thompson, D.M.D., *Assistant Professor of Clinical Dentistry*
Myron J. Van Leeuwen, D.D.S., *Assistant Professor of Clinical Dentistry*
Joseph P. Jazowski, D.M.D., *Clinical Associate in Dentistry*

Oral Histo-pathology — 3rd and 4th years

The teaching of this subject is an important part of many activities in the clinic and in the hospitals. This teaching is augmented by a series of demonstrations and conferences devoted to the pathological histology of the teeth and periodontal tissues.

Reidar F. Sognnaes, L.D.S., Ph.4., *Associate Professor of Dental Medicine* and Associates

Oral Hygiene — 1st semester 3rd year

Lectures and demonstrations covering the accepted methods of dental prophylaxis leading to work in the general clinic.

G. Earl Thomson, D.M.D., *Assistant Professor of Clinical Dentistry*
Myron J. Van Leeuwen, D.D.S., *Assistant Professor of Clinical Dentistry*
Joseph P. Jazowski, D.M.D., *Clinical Associate in Dentistry*

Experimental Surgery — 1st semester 3rd year.

General principles of surgical treatment and technique as applied to problems in dental research.

Roy O. Greep, Ph.D., *Professor of Dental Science*

Nutrition — 2nd semester 3rd year.

Discussion of nutritional requirements, relative values of various food sources and collection and evaluation of diet histories. Clinic practice in taking and evaluation of diet histories, followed by recommendation.

James H. Shaw, Ph.d., *Assistant Professor of Dental Medicine*

Orthodontics — 3rd and 4th years

Clinical instruction consists in the observation of developing dentures, the use of preventive measures, and the use of the simple orthodontic treatment procedures by each student. Opportunity is provided for experience beyond the required minimum for those students with special interest and ability. Discussions and demonstrations supplement the work of the clinic.

Charles M. Waldo, D.D.S., *Associate Professor of Orthodontics*
Paul H. Keyes, D.D.S., *Associate in Clinical Dentistry* and *Assistant Director of the Clinic*
Melvin I. Cohen, D.M.D., *Assistant in Orthodontics*
Lennard T. Swanson, D.M.D., *Teaching Fellow in Orthodontics*

Oral Surgery — 3rd and 4th years

Instruction in extraction, minor dental surgery and anaesthesia is given at the Dental Infirmary. At the dental clinic of the Massachusetts General Hospital there is an opportunity to observe and assist in more extensive surgery in the oral cavity, fractures and traumatic injuries of the face and jaws. Opportunities for graduate work are offered here. Surgical prosthesis and plastic surgery are carried on at the Massachusetts General Hospital.

Kurt H. Thoma, D.M.D., *Professor of Oral Surgery* and *Charles A. Brackett Professor of Oral Pathology* and *Head of Department to 1949*
David Weisberger, D.M.D., M.D., *Associate Professor of Dental Medicine* and *Chief of the Dental Department at Massachusetts General Hospital*
Bradford Cannon, M.D., *Clinical Associate in Surgery*
Herman Dewilde, M.D., D.M.D., *Associate in Clinical Dentistry*
Edward J. Durling, D.M.D., *Instructor in Oral Surgery*
Jarrel G. Burrow, D.M.D., *Teaching Fellow in Dental Medicine*

Dental Medicine — 3rd and 4th years

A course devoted to the diagnosis and treatment of oral diseases, i.e., diseases of the periodontium, dental pulp, oral mucosa and other oral structures together with their correlation to systemic conditions. Lectures, seminars, clinical practice and observation both in the Dental Infirmary and at the Massachusetts General Hospital.

Roy O. Greep, Ph.D., *Professor of Dental Science*
Reidar F. Sognnaes, L.D.S., Ph.D., *Associate Professor of Dental Medicine*
David Weisberger, D.M.D., M.D., *Associate Professor of Dental Medicine* and *Chief of the Dental Department at the Massachusetts General Hospital*
James H. Shaw, Ph.D., *Assistant Professor of Dental Medicine*

Harry C. Trimble, Ph.D., *Assistant Professor of Biological Chemistry*
Herman DeWilde, M.D., D.M.D., *Associate in Clinical Dentistry*
Paul H. Keyes, D.D.S., *Associate in Clinical Dentistry*
Jarrel G. Burrow, D.M.D., *Teaching Fellow in Dental Medicine*
Paul LeB. Sweet, D.M.D., *Teaching Fellow in Dental Medicine*

Oral Roentgenology — 3rd and 4th years

Infirmary procedures, identification of oral structures, methods of oral examination, history-taking, and common methods of diagnosis for dental and oral disease are given in both years, supplemented by practice in the general clinic.

Principles of applied roentgenology and the interpretation of roentgenograms are covered in both years, with consideration of the electro-physical basis of roentgenology in the fourth year.

Arthur M. Maloney, D.M.D., *Associate Professor of Clinical Dentistry*
Charles M. Waldo, D.D.S., *Associate Professor of Orthodontics*
G. Earl Thompson, D.M.D., *Assistant Professor of Clinical Dentistry*
Myron J. Van Leeuwen, D.D.S., *Assistant Professor of Clinical Dentistry*
Herman DeWilde, M.D., D.M.D., *Associate in Clinical Dentistry*
Joseph P. Jazowski, D.M.D., *Clinical Associate in Dentistry*
Harold L. Ehrlich, D.M.D., *Teaching Fellow in Clinical Dentistry*

Dental Public Health — 3rd year

Public Health principles and practices with emphasis on the participation of the dentist. Elements of bio-statistics. Lectures, seminars and field work.

James M. Dunning, D.D.S., M.P.H., *Dean*, and Associates
H. Shirley Dwyer, D.D.S., *Lecturer on Preventive Dentistry*
Howard M. Marjerison, D.M.D., *Lecturer on Preventive Dentistry*

Dental Materia Medica — 2nd semester 4th year

Specific consideration of dental problems and development of formulary for clinical dentistry, in addition to coverage of practical therapeutic problems in the general clinic.

Members of the dental staff and visiting lecturers.

Dental Clinical Seminar — 3rd and 4th years

Individual students in rotation prepare topics within the fields of clinical dentistry, dental medicine, or public health and present these topics before the members of their own class, the other clinical class and the members of the staff. Free discussion follows. Normal and abnormal growth problems

occupy chief attention in the third year. The fourth year seminars review the material of the basic medical sciences in the light of clinical experience.

Roy O. Greep, Ph.D., *Professor of Dental Science*, and entire staff

General Clinic — 3rd and 4th years

Practice in operative and prosthetic dentistry, periodontics, orthodontics, oral hygiene, oral diagnosis, and roentgenology. In the third year, 21 hours are devoted specifically to oral surgery and 92 hours to dental medicine. In the fourth year, 21 hours are devoted specifically to oral surgery, 96 hours to dental medicine, and 10 or more to dental pediatrics. Clinical work in dental pediatrics is at the Children's Hospital.

Arthur M. Maloney, D.M.D., *Associate Professor of Clinical Dentistry*
Charles M. Waldo, D.D.S., *Associate Professor of Orthodontics*
David Weisberger, D.M.D., M.D., *Associate Professor of Dental Medicine* and *Chief of the Dental Department at the Massachusetts General Hospital*
Paul K. Losch, D.D.S., *Assistant Professor of Clinical Dentistry*
Myron J. Van Leeuwen, D.D.S., *Assistant Professor of Clinical Dentistry* and *Director of Clinic*
Ian C. Jones, Ph.D., *Research Fellow in Dental Science* (and members of the Clinical Staff in the subjects named)

Dental Practice Management — 2nd semester 4th year.

Lecturers and seminars on practice management, ethics and jurisprudence.

James M. Dunning, D.D.S., M.P.H., *Dean*, and Associates, and members of the Department of Legal Medicine

Elective Material — 4th year.

A large amount of time is set aside in the second semester of the fourth year for work according to the needs and inclinations of the individual student. The amount of time to be devoted to elective work is not fixed but depends upon the speed with which the student shows acceptable proficiency in clinical and technical subjects. Special opportunities for brilliant students and students interested in research are planned. Facilities of the School of Dental Medicine, Massachusetts General Hospital, Children's Hospital and other institutions will be made available as needed. Faculty advisers are appointed and consultants are available as needed.

REGISTRATION

September 27, 1948 – June 23, 1949

FIRST YEAR

FIRST HALF YEAR *

SEPTEMBER 27, 1948 — JANUARY 29, 1949 (*All dates inclusive*)

HOUR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9–1	Anatomy	Histology	Anatomy	Histology	Histology	Voluntary Clinics
2–5	Anatomy	Histology	Anatomy	Histology	Anatomy	

* All exercises in Building B.

SECOND HALF YEAR †

JANUARY 31 — MAY 28, 1949 (*All dates inclusive*)

9–1	Physiology	Biological Chemistry	Physiology	Biological Chemistry	Physiology Lecture and Conference (April 29–May 28) 11:30–12:30 Medical Psychology (B.P.H. Assembly Hall)	Biological Chemistry Lecture and Conference (April 29–May 28) 11:30–12:30 Medical Psychology (B.P.H. Assembly Hall)
2–5	Physiology	Biological Chemistry	Physiology	Biological Chemistry	Voluntary Courses	

† All exercises in Building C, except Medical Psychology.

Examination Period: May 31–June 4

Vacations: Dec. 19–Jan. 2
April 17–24

Holidays: Oct. 12 Feb. 22
Nov. 11 Apr. 19
Nov. 25 May 30

SECOND YEAR

SEPTEMBER 27, 1948 — MAY 28, 1949 (*All dates inclusive*)

Dates	Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			A.M.				
Sept. 27–Jan. 29 (16 weeks)	9–10		Pharmacology		Pharmacology		Pharmacology
	10–12.30	Pathology (Bldg. D)	Pharmacology (½ *Class–Alt. Weekly*) Sept. 28–Nov. 20 Jan. 3–29 (Bldg. E) Parasitology Nov. 22–Dec. 18 (Bldg. D)	Pathology (Bldg. D)	Pharmacology (½ *Class–Alt. Weekly*) Sept. 28–Nov. 20 Jan. 3–29 (Bldg. E) Parasitology Nov. 22–Dec. 18 (Bldg. D)	Pathology (Bldg. D)	Pharmacology (½ *Class–Alt. Weekly*) Sept. 28–Nov. 20 Jan. 3–29 (Bldg. E) Parasitology Nov. 22–Dec. 18 (Bldg. D)
	12.30–1						
Jan. 31–May 28 (16 weeks)	8.30–9.30	Pathology Jan. 31–Apr. 8 10 weeks	Medicine *	Pathology Jan. 31–Apr. 8 10 weeks	Surgery *	Pathology Jan. 31–Apr. 8 10 weeks	Medicine *
	9.30–10	Neuropathology Apr. 20–May 27 6 weeks (Bldg. D)		Neuropathology Apr. 20–May 27 6 weeks (Bldg. D)		Neuropathology Apr. 20–May 27 6 weeks (Bldg. D)	
	10–11.30		Div. A: Med. (Phys. Diag.) Div. B: Surgery { *Divisions Alternate Weekly* }		Div. B: Med. (Phys. Diag.) Div. A: Surgery { *Divisions Alternate Weekly* }		Div. A: Med. (Phys. Diag.) Div. B: Surgery { *Divisions Alternate Weekly* }
	11.30–12						
	12–1	Medicine *		Neurology Feb. 2–Apr. 27 † Psychiatry May 4–25 ‡		Medicine *	
			P.M.				
Sept. 27–Jan. 29	2–5	Bacteriology (Bldg. D)		Bacteriology (Bldg. D)		Bacteriology (Bldg. D)	
Jan. 31–Apr. 30 (12 weeks)	2–3	Pharmacology (Amph. E)		Pharmacology (Amph. E)		Pharmacology (Amph. E)	
	3–5	Medicine: Laboratory Diagnosis (Bldg. D)		Medicine: Laboratory Diagnosis (Bldg. D)		Medicine: Laboratory Diagnosis (Bldg. D)	
May 2–May 28 (4 weeks)	2–3	Obstetrics (Amph. D)		Obstetrics (Amph. D)		Obstetrics (Amph. D)	
	3–5	Medicine: Laboratory Diagnosis (Bldg. D)		Medicine: Laboratory Diagnosis (Bldg. D)		Medicine: Laboratory Diagnosis (Bldg. D)	

Examination Period: May 31–June 4

† Feb. 2–Mar. 9 B.C.H. Dowling Building Amphitheatre; Mar. 16–Apr. 27 M.G.H. LOPA
‡ B.P.H. Library Lobby
* See mimeographed schedule for place of meeting.

Holidays: Oct. 12, Nov. 11, Nov. 25, Feb. 22, April 19, May 30
Vacations: Dec. 19–Jan. 2, April 10–19

THIRD YEAR

September 27, 1948 — June 4, 1949

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8.30–9.30	Lecture	Lecture	Lecture	Lecture	Lecture	Lecture
10–12.30	⅓ of Class: I. Medicine II. Med. Spec.* ⅓ of Class: I. Surgery II. Surg. Spec.† ⅓ of Class: A { Pediatrics, Orthopaedic Surgery B { Obstetrics §, Otology, Ophthalmology	⅓ of Class: I. Med. Spec.* II. Medicine ⅓ of Class: I. Surg. Spec.† II. Surgery ⅓ of Class: A { Pediatrics, Orthopaedic Surgery B { Obstetrics §, Otology, Ophthalmology	⅓ of Class: I. Medicine II. Med. Spec.* ⅓ of Class: I. Surgery II. Surg. Spec.† ⅓ of Class: A { Pediatrics, Orthopaedic Surgery B { Obstetrics §, Otology, Ophthalmology	⅓ of Class: I. Med. Spec.* II. Medicine ⅓ of Class: I. Surg. Spec.† II. Surgery ⅓ of Class: A { Pediatrics, Orthopaedic Surgery B { Obstetrics §, Otology, Ophthalmology	⅓ of Class: I. Medicine II. Med. Spec.* ⅓ of Class: I. Surgery II. Surg. Spec.† ⅓ of Class: A { Pediatrics, Orthopaedic Surgery B { Obstetrics §, Otology, Ophthalmology	⅓ of Class: I. Med. Spec.* II. Medicine ⅓ of Class: I. Surg. Spec.† II. Surgery ⅓ of Class: A { Pediatrics, Orthopaedic Surgery B { Obstetrics §, Otology, Ophthalmology
2–5	⅓ of Class: Medicine ⅓ of Class: Surgery ⅓ of Class: { Pediatrics, Orthopaedic Surgery	FREE	⅓ of Class: Medicine ⅓ of Class: Surgery ⅓ of Class: { Pediatrics, Orthopaedic Surgery	FREE	Lecture Preventive Medicine 2–5 ——— Twelve Lectures Legal Medicine 4.15–5.15	FREE

* Med. Spec. = Neurology, Psychiatry, Dermatology. † Surg. Spec. = Genito-Urinary Surgery, Gynaecology, Laryngology.

§ For this course the students are assigned to the B.L.I. and are on duty twenty-four hours a day for a period of ten or eleven days. The Class is divided into thirds and the Medical and Surgical thirds are made up of two groups:

Group I. — Having Medicine (or Surgery) on Mondays, Wednesday and Fridays and the Medical (or Surgical) specialties on Tuesdays, Thursdays and Saturdays.

Group II. — Having Medicine (or Surgery) on Tuesdays, Thursdays and Saturdays and the Medical (or Surgical) specialties on Mondays, Wednesdays and Fridays.

The Third having Pediatrics, etc., is made up of Divisions A and B. These Divisions interchange every 32 days.

The Thirds interchange every 64 days.

Vacations: Dec. 19–Jan. 2
April 17–24

Holidays: Oct. 12, Nov. 11, Nov. 25, Feb. 22, Apr. 19, May 30
Examination Period: May 31–June 4

FOURTH YEAR

SEPTEMBER 27, 1948 — JUNE 23, 1949

(Each block represents one month. Order of subjects variable.)

	1	2	3	4
MORNING / AFTERNOON	Medicine C1, C2, C3*, or C4*	Medicine C1, C2, C3*, or C4*	Surgery C1, C3 or C4*	Surgery C1, C3 or C4*
	5	**6**	**7**	**8**
MORNING / AFTERNOON	Obstetrics C1	Pediatrics C1 or C2	Psychiatry C1, C2, or C3	Elective

In addition to the seven months' required work, each student may elect courses for four additional months by anticipating work during the summer months.

* October to May.

On June 10, 1948, One Hundred and Thirty-Nine Degrees were Conferred as Follows:

M.D.

Adams, Jesse Earl, Jr., S.B. (*University of Kentucky*) 1945
Angle, William Dodge, S.B. (*University of Nebraska*) 1946
Applegarth, John Jerrold, A.B. (*University of California*) 1945
Bates, Frank Dudley
Bell, George Erick, Jr.
Bender, Merrill Arthur, A.B. (*Middlebury College*) 1946
Bisland, Theodore Wensel, Jr., S.B. (*Yale University*) 1945
Blitzer, John Ritchie
Botwin, Arnold Ellis, S.B. (*University of Missouri*) 1946
Bougas, James Andrew
Bragdon, Douglas Estes, S.B. (*Bates College*) 1940, A.M. (*Harvard University*) 1941
Brown, Curtland Chester, Jr., A.B. 1944
Burns, Stanley Sherman, Jr.
Callaghan, Edward Eugene, S.B. (*University of Wyoming*) 1945
Chamovitz, David Labe
Chilmonczyk, Waclaw
Clark, Malcolm David, A.B. (*Williams College*) 1943
Cobb, John Candler, 2d, S.B. 1941
Conerly, Dawson Brumfield, Jr.
Connolly, John Earle, A.B. 1945 (1947)
Criscitiello, Modestino Giuseppe, A.B. (*Princeton University*) 1947
Crocker, Allen Carrol
Davis, Jack Beason
de la Cruz, Edgar Francisco Alejandro, A.B. (*Princeton Univ.*) 1945
Dolison, Dean Marlow
Drummy, William Wallace, Jr.
Fahl, James Cox
Ferry, Ronald Mansfield, Jr.
Forrest, William Womble
Fremont-Smith, Kenneth
Fulton, Lyman Avard
Funkhouser, Robert Kay
Fyler, Donald Charles
Gibson, David Mark, A.B. (*Wabash College*) 1944
Gorlin, Richard

Gothberg, Loren August, S.B. (*Whitworth College*) 1943
Grace, James Thomas, Jr., S.B. (*Yale Univ.*) 1945
Gray, Edward Barton, Jr.
Greenleaf, Kenneth Russell, S.B. (*Northeastern University*) 1945
Gundersen, Gunnar Adolf
Gundersen, Sigurd Bjarne, Jr.
Haight, Thomas Hulen
Hatt, William Swasey, A.B. (*Dartmouth College*) 1944
Hay, Samuel Hutson, S.B. (*Davidson College*) 1944
Hoagland, Mahlon Bush
Hogan, John Forbes, Jr., S.B. (*College of the Holy Cross*) 1945
Hopkins, William Benjamin, Jr.
Hough, Garry deNeuville, 3d
Hum, Thomas Yort, S.B. (*University of California*) 1943
Huntley, Benjamin Franklin, 3d
Ireland, Elwood Fremont, Jr.
Isenberg, Howard Jay
Jackson, William Merrill, A.B. (*Antioch College*) 1943
Jakovic, Louis George
Johns, Thomas Richards, 2d, A.B. (*West Virginia University*) 1945
Junda, Rudolph Joseph
Kellum, Agrippa Spence
Kelly, Luther Wrentmore, Jr.
Kiyasu, William Sadao, A.B. (*Grinnell College*) 1944
Linger, Robert Thomas, A.B. (*West Virginia University*) 1945
Love, Donald Eugene, A.B. (*University of California*) 1945
MacLeod, John Adams
Mason, Roscoe Edward, S.B. (*Wake Forest College*) 1943
McCarley, Tracey Holland, Jr.
McCarty, William Mason
McHale, Josiah Anderson
McLemore, George Ammie, Jr.
Merrill, Joseph Melton
Milam, Daniel Franklin, Jr., S.B. (*University of North Carolina*) 1946
Misrahy, Georges Albert
Mond, Ernest
Murray, Raymond Harold, Jr.
Nagle, Walter William, A.B. (*Dartmouth College*) 1945
Nakasone, Nobuyuki, S.B. (*University of Hawaii*) 1943
Nicholson, Richard Waldo, A.B. (*Doane College*) 1946
Ohler, John Henry, A.B. (*Williams College*) 1946
O'Rear, Edgar Allen, Jr., A.B. (*University of Alabama*) 1945

O'Rourke, Paul Francis
Parsons, David Willard
Peabody, Charles Newton, 2d
Pechet, Maurice Murdoch, B.SC. (*University of Alberta*) 1939, M.SC. (*ibid.*) 1940, A.M. (*Harvard University*) 1943, PH.D. (*ibid.*) 1944
Peterson, Herbert Gerhard, Jr., A.B. (*Colgate University*) 1943
Phillips, Gerald Baer
Pratt, George Francis
Prindle, Richard Alan
Prout, Thaddeus Edmund
Radding, Philip
Rattan, Walter Cooper
Rehbein, Alfredo
Richardson, Fred Wetherbee, A.B. (*Dartmouth College*) 1945
Ritter, Emil Richard
Roberts, Thomas Nelson, S.B. (*University of South Dakota*) 1946
Rosa, Franz Weston
Rudin, Donald Oliver
Rutledge, Ralph Leyda, Jr., S.B. (*Mount Union College*) 1945
Scott, Alfred Witherspoon, Jr., S.B. (*University of Georgia*) 1946
Shaw, Ian Anthony
Simkus, Albert Andrew, A.B. (*University of Alabama*) 1945
Smith, Blaine Leroy
Snow, Joseph Cagle
Soule, William Carlton, A.B. (*Dartmouth College*) 1945
Southwick, Christopher Howard
Spence, David Lee, A.B. (*Princeton University*) 1945
Steenburg, Richard Wesley
Stodder, Clement Paxton
Stoeckle, John Duane
Taylor, Billy Gray
Taylor, Robert George, S.B. (*Allegheny College*) 1945
Teter, Joseph Gordon
Thompson, Clarence Thomas
Tikellis, Ignatius James, A.B. (*Dartmouth College*) 1945
Troen, Philip, A.B. 1945 (1944)
Vail, David Jameson
Vecchio, Thomas James, S.B. (*Manhattan College*) 1944
Vizcarrondo, Raul-Celedonio
Webster, Leslie Tillotson, Jr.
White, Orson Wayne
Wilcox, Robert Eugene

Witherington, Dexter Thompson, S.B. (*Davidson College*) 1944
Wooten, Greenwood S, Jr., A.B. (*University of Texas*) 1945
Wulsin, Howard Elliott
Zullo, Robert John

M.D. *cum Laude* for Thesis in Special Field

Hsia, David Yi-Yung, A.B. (*Haverford College*) 1944

M.D. *cum Laude*

Austin, James Henry
Beddingfield, Edgar Theodore, Jr.
Dodge, Harold Tracy, Jr.
Evarts, Edward Vaughan
Foss, Rodney Ham, S.B. (*Yale University*) 1942, S.M. (*ibid.*) 1944
Hatch, Frederick Tasker, A.B. (*Dartmouth College*) 1944
Hiatt, Howard Haym
Lapham, Lowell Winship, A.B. (*Oberlin College*) 1943
Lewallen, Charles Gorman
Mendelsohn, Mortimer Lester
Nielsen, Talmage Whiting, A.B. (*University of Utah*) 1945
Ortenburger, Arthur Irving, Jr.
Ravin, Herbert Allan, S.B. (*Tufts College*) 1946
Sears, Edward Manning, 2d

M.D. *Magna cum Laude*

Margulis, Rajko Ralph
Smith, Lloyd Hollingsworth, Jr., A.B. (*Washington and Lee University*) 1944

MEDICAL SCHOOL

1948–1949

FOURTH CLASS

‡Alexander, John Terence (*Boston Univ.*). *Brookline*

*Allen, James Norman (*Emory Univ.*) [Emory Univ. School of Medicine]. *Tampa, Fla.*

*Barnes, Waddell (*Mercer Univ.*) [Emory Univ. School of Medicine]. *Macon, Ga.*

*Bendeck, Taufick Elias (*Emory Univ.* and *Alabama Polytechnic Inst.*) [Emory Univ. School of Medicine]. *Honduras, C. A.*

Bennett, Doris Rubin, A.B. (*Wellesley Coll.*) 1944. *Framingham*

Bigelow, Bradley, A.B. 1944 (1943). *Boston*

‡Birchard, William H. (*Univ. of Vermont* and *Dartmouth Coll.*). *Shoreham, Vt.*

‡Blanch, Euan True (*Univ. of Utah*, *Carnegie Inst. of Technology*, and *Syracuse Univ.*). *Salt Lake City, Utah*

*Blauer, Aaron (*Univ. of Florida*) [Alabama Medical Coll.]. *Birmingham, Ala.*

‡Boblitt, Delbert Emroy (*Univ. of Illinois*, *Manhattan Coll.*, and *Syracuse Univ.*). *Divernon, Ill.*

†Bowen, Edward Hooper, Jr. (*Brown Univ.*). *Fall River*

*Brackett, Ralph DeRochemont, A.B. (*Dartmouth Coll.*) 1946 [Dartmouth Medical School]. *Portsmouth, N. H.*

§Brifman, Theodore (*Ohio State Univ.* and *Harvard Univ.*). *Cleveland, Ohio*

°Brown, Paul Marvin, S.B. (*Univ. of Oregon*) 1946 [Boston Univ. School of Medicine]. *Portland, Oregon*

‡Browning, Louis DeLoach, Jr. (*Univ. of Kentucky* and *Coll. of the City of New York*). *Hopkinsville, Ky.*

‡Bruner, John Martin Rutherford (*Harvard Univ.*). *Upper Darby, Pa.*

Caires, Martha Joan Kern, A.B. (*Radcliffe Coll.*) 1945. *Cambridge*

*Campbell, Guy Douglas, S.B. (*Univ. of Mississippi*) 1946 [Univ. of Mississippi School of Medicine]. *Laurel, Miss.*

‡Chadwick, Donald Roger (*Harvard Univ.*). *Wollaston*

†Cheatham, James Spencer (*Univ. of Connecticut* and *Yale Univ.*). *Akron, Ohio*

†Clark, Sam Lillard, Jr. (*Vanderbilt Univ.* and *Duke Univ.*). *Nashville, Tenn.*

† Admitted on basis of two years' college work.
‡ Admitted on basis of three years' college work (in several cases, work for degree completed).
§ Admitted on basis of four years' college work (in several cases, work for degree completed).
° Transferred to second year class.
* Transferred to third year class.
¶ Transferred to third year class from Harvard School of Dental Medicine.

Cohen, Raquel Eidelman, B.SC. (*Univ. of San Marcos*) 1943, M.P.H. (*Harvard Univ.*) 1944. *Lima, Peru*

*Collings, Harold, Jr. (*Purdue Univ.*, *Univ. of Alabama*, and *Johns Hopkins Univ.*) [Univ. of Maryland School of Medicine]. *Rockville, Ind.*

Collins, Raymond Prescott, A.B. 1947 (1945). *Westford*

*Copeland, George Daniel, S.B. (*Univ. of Mississippi*) 1946 [Univ. of Mississippi School of Medicine]. *Senatobia, Miss.*

°Corvese, William Peter, A.B. (*Brown Univ.*) 1946 [Tufts Coll. Medical School]. *Providence, R. I.*

*Crook, Douglas Victor (*Brown Univ.* and *Univ. of Illinois*) [Northwestern Univ. Medical School]. *Rumford, R. I.*

‡Daum, Stanley Walter (*Mount Union Coll.* and *Miami Univ.*). *Canton, Ohio*

†Dean, Henry Leon (*Florida Southern Coll.*). *Philadelphia, Pa.*

Dotson, J C, S.B. 1946 (1945). *El Paso, Texas*

†Downey, William Stephen, Jr. (*Boston Coll.*). *New Bedford*

§Easterday, Charles Louis (*Ball State Teachers Coll.* and *Coll. of the City of New York*). *Butler, Ind.*

‡Eicholz, John Louis, Jr. (*Indiana Univ.*, *Rhode Island State Coll.*, and *Hamilton Coll.*). *New Albany, Ind.*

Eurman, Gerald Harold, A.B. (*Montclair State Teachers Coll.*) 1942. *Hoboken, N. J.*

†Fallows, James Albert (*Ursinus Coll.*). *Jenkintown, Pa.*

‡Ferber, Jerome (*Brooklyn Coll.* and *Coll. of the City of New York*). *Brooklyn, N. Y.*

‡Fernandez-Herlihy, Luis (*St. Louis Univ.*). *Washington, D. C.*

¶Finbury, Charles Mysel (*Harvard Coll.*), D.M.D. 1947. *Haverhill*

*Finney, Claude Joseph, A.B. (*Vanderbilt Univ.*) 1946 [Vanderbilt Univ. Medical School]. *Nashville, Tenn.*

*Flanders, Robert, Jr., A.B. (*Dartmouth Coll.*) 1946 [Dartmouth Medical School]. *Manchester, N. H.*

‡Fox, Marsden Elwood (*Yale Univ.*, *Virginia Polytechnic Inst.*, and *Princeton Univ.*). *Rochester, N. Y.*

‡Frische, Louis Henry, Jr. (*Univ. of Arizona*, *Niagara Univ.*, and *New York Univ.*). *Tucson, Ariz.*

†Fry, Donald Lewis (*Marquette Univ.*). *Hudson, Wis.*

Gabriel, James Basil, A.B. (*Brown Univ.*) 1945. *New Bedford*

Gallup, Shirley Marilyn, A.B. (*Brown Univ.*) 1945. *Cranston, R. I.*

*Ganong, William Francis, A.B. 1946 [Univ. of Virginia School of Medicine]. *Northampton*

*Giles, Robert Byron, Jr., A.B. (*Dartmouth Coll.*) 1942 [Dartmouth Medical School]. *Dallas, Texas*

‡Goldstein, Dora Benedict (*Bryn Mawr Coll.*, *Univ. of Chicago*, and *Stanford Univ.*). *Cohasset*
Gordon, Marcia Laura, A.B. (*Radcliffe Coll.*) 1945. *Chelsea*
Gordon, Robert Sirkosky, Jr., A.B. (*Harvard Univ.*) 1947. *Scarsdale, N. Y.*
‡Grey, David Nelson (*Stanford Univ.*). *Glendale, Calif.*
‡Griggs, Robert Charles (*Princeton Univ.*). *Manlius, N. Y.*
Gross, Gilbert Louis, A.B. (*Washington Univ.*) 1943. *St. Louis, Mo.*
‡Gundersen, Adolf Loftsgaard (*Harvard Univ.*). *La Crosse, Wis.*
‡Hall, Thomas Christopher (*Harvard Univ.*). *New York, N. Y.*
*Harris, Aubrey Russell, A.B. (*Univ. of Mississippi*) 1938 [Univ. of Mississippi School of Medicine]. *Shannon, Miss.*
*Hartman, Sherman Walter, B.AERO.E. (*Univ. of Minnesota*) 1943 [Northwestern Univ. Medical School]. *Minneapolis, Minn.*
Harvey, Henry Stimson, A.B. (*Amherst Coll.*) 1938, B.D. (*Union Theological Seminary*) 1943. *Duxbury*
*Hawkins, Joseph Albert (*Univ. of Florida* and *Univ. of Mississippi*) [Alabama Medical Coll.]. *Birmingham, Ala.*
Haynes, John Steven, B.E. (*North Carolina State Coll.*) 1940, S.B. (*Univ. of Chicago*) 1945. *Chicago, Ill.*
‡Hendler, Albert Frank (*Univ. of Texas*). *Temple, Texas*
‡Herrod, Chester Edgar (*Newark Coll. of Engineering* and *Amherst Coll.*). *Chicago, Ill.*
‡Hickler, Roger Baldwin (*Massachusetts Inst. of Technology*). *Bala-Cynwyd, Pa.*
§Holmstrom, Fritz Milton Gilbert (*Brown Univ.*, *Boston Coll.*, and *Amherst Coll.*). *Jamestown, N. Y.*
Horwitz, Melvin, A.B. (*Columbia Univ.*) 1945. *Brooklyn, N. Y.*
†Hubbard, Edwin Marshall (*Union Coll.*). *Bay Shore, Long Island, N. Y.*
Hume, Walter Irvin, Jr., A.B. (*Williams Coll.*) 1946. *Louisville, Ky.*
‡Jacobs, Ralph William (*Duke Univ.*). *Plainfield, N. J.*
†Jampol, Jesse Herbert (*Harvard Univ.*). *New York, N. Y.*
Jandl, James Harriman, S.B. (*Franklin and Marshall Coll.*) 1945. *Racine, Wis.*
°Johnson, Louis Fingal, Jr., S.B. (*Massachusetts State Coll.*) 1940 [Tufts Coll. Medical School]. *Gloucester*
*Juergens, John Louis, S.B. (*Univ. of Minnesota*) 1946 [Univ. of Minnesota Medical School]. *Belle Plaine, Minn.*
Katz, Jacob, A.B. (*Univ. of Vermont*) 1944. *New York, N. Y.*
‡Kavanaugh, Charles Nicholas, Jr. (*Amherst Coll.*). *Lexington, Ky.*
Keller, John Wilbur, A.B. 1941 (1946). *Brookline*
†Kennedy, John Hines (*Princeton Univ.*). *Washington, D. C.*
Kirk, Marjorie Jane, A.B. (*Bryn Mawr Coll.*) 1943, A.M. (*Radcliffe Coll.*) 1944. *Upper Darby, Pa.*

¶Larkin, James Crate, Jr. (*Williams Coll.*), D.M.D. 1947. *Buffalo, N. Y.*
†Leonard, Edward Joseph (*Harvard Univ.*). *Jamaica Plain*
*Levy, Maurice Noel, Jr., A.B. (*Dartmouth Coll.*) 1946 [Dartmouth Medical School]. *Bridgeport, Conn.*
*Locksley, Herbert Boyajian, A.B. (*Swarthmore Coll.*) 1943 [Temple Univ. Medical School]. *Pittsfield*
†Lohr, Thomas Oliver (*New York Univ.*). *Saginaw, Mich.*
Lyons, Robert Douglas, A.B. and S.B. (*Southern Methodist Univ.*) 1945. *Dallas, Texas*
McCurdy, Paul Ranney, A.B. (*Wesleyan Univ.*) 1946. *Middletown, Conn.*
¶Malkinson, Frederick David (*Harvard Coll.*), D.M.D. 1947. *West Hartford, Conn.*
*Marcial, Victor Adolfo, S.B. (*Univ. of Puerto Rico*) 1944 [Univ. of Missouri Medical School]. *Rio Piedras, Puerto Rico*
*Marshall, Clare Kent, A.B. (*Barnard Coll.*) 1944 [Columbia Univ. Coll. of Physicians and Surgeons]. *New York, N. Y.*
*Martin, Lester Warren, S.B. (*Univ. of Missouri*) 1944 [Univ. of Missouri School of Medicine]. *Edwards, Mo.*
†Mathews, LeRoy William (*St. John's Univ.* and *John Carroll Univ.*) *St. Cloud, Minn.*
*Merten, Charles William (*Drexel Inst. of Technology* and *Rutgers Univ.*) [Long Island Coll. of Medicine]. *Augusta, Kans.*
*Morrissey, John Fielding, A.B. (*Dartmouth Coll.*) 1946 [Jefferson Medical Coll.]. *Newton Centre*
*Needy, Carl Kreimer, A.B. 1947 (1946) [Tufts Coll. Medical School]. *Newton Highlands*
Niebel, James Denhart, A.B. (*Stanford Univ.*) 1943. *Palo Alto, Calif.*
†Oken, Donald (*Syracuse Univ.*). *New York, N. Y.*
‡Oliver, Thomas Keyser, Jr. (*Univ. of California*). *Westwood, Calif.*
‡Owen, William Reagan (*Univ. of Texas*). *Dallas, Texas*
*Page, Lot Bates (*Middlebury Coll.*, *The Citadel*, and *Univ. of Missouri*) [Washington Univ. School of Medicine]. *West Newbury*
*Parker, Thomas Gooch (*Univ. of Texas* and *Mercer Univ.*) [Univ. of Texas Medical School]. *Dallas, Texas*
*Peacock, Erle Ewart, Jr. (*Univ. of North Carolina*) [Univ. of North Carolina Medical School]. *Chapel Hill, N. C.*
*Peirce, Frederick Arthur, Jr., A.B. 1947 [Georgetown Univ. School of Medicine]. *Rumford, R. I.*
†Perry, Richard Lacey (*Swarthmore Coll.*) *Woodmere, Long Island, N. Y.*
Petit, Alan Wesley, A.B. 1941 (1942). *Ventura, Calif.*
†Pitts, John Dorsey (*Yale Univ.*). *Providence, R. I.*
‡Puite, Robert Harmon (*Calvin Coll.*, *St. John's Univ.*, and *Harvard Univ.*). *Grand Rapids, Mich.*

*Rawls, Thompson Townsend, S.B. (*Southwestern Louisiana Inst.*) 1945 [Univ. of Missouri Medical School]. *St. Louis, Mo.*
†Reardon, John Birckhead (*Univ. of California*). *Sacramento, Calif.*
‡Reynolds, John (*Univ. of Texas*). *Santa Barbara, Calif.*
*Rich, Alexander, A.B. 1947 [Syracuse Univ. School of Medicine]. *Springfield*
†Riley, Francis James (*Harvard Univ.*). *West Roxbury*
‡Robbins, Peter Gilman (*Harvard Univ.*). *Boston*
*Robinson, Leonard Jay, S.B. (*New York Univ.*) 1946 [Univ. of North Dakota Medical School]. *Bronx, N. Y.*
*Rood, Robert Clare (*Michigan State Coll.* and *Ohio State Coll.*) [Univ. of North Carolina Medical School]. *South Haven, Mich.*
‡Rutledge, Robb Howard (*Univ. of Michigan*). *Detroit Lakes, Minn.*
Sánchez, Guillermo Cornelio, A.B. 1946 (1945). *Guatemala City, Guatemala*
‡Smith, William Ogg (*Oklahoma Agricultural and Mechanical Coll.* and *Univ. of Texas*). *Stillwater, Okla.*
*Soule, Rublee Clark (*Springfield Coll., Oklahoma Agricultural and Mechanical Coll.*, and *Univ. of Oklahoma*) [Alabama Medical Coll.]. *Springfield*
Sprout, William Lawrence, A.B. (*Harvard Univ.*) 1947. *Rome, N. Y.*
Starrels, Raymond James, A.B. (*Swarthmore Coll.*) 1946. *Philadelphia, Pa.*
States, John Dunham, A.B. (*Univ. of Rochester*) 1947. *Rochester, N. Y.*
*Stelter, Grant Duane, S.B. (*Univ. of Wisconsin*) 1947 S.M. (*ibid.*) 1948 [Jefferson Medical Coll.]. *Racine, Wis.*
‡Stokes, Joseph, 3d (*Haverford Coll.*). *Germantown, Pa.*
Stone, Edith Louise, A.B. (*Smith Coll.*) 1943. *Bradford, N. H.*
‡Swanson, August George (*Westminster Coll.*). *York, Nebr.*
‡Tarpley, Harold Irwin, Jr. (*Pennsylvania State Coll.*). *State College, Pa.*
Taylor, Edith Schwartz, S.B. (*Radcliffe Coll.*) 1945. *New York, N. Y.*
†Taylor, Jo Ann Tanner (*Univ. of California*). *Glendale, Calif.*
Thurm, Richard Henry, S.B. 1946 (1945). *Forest Hills, N. Y.*
*Tomkins, Gordon Mayer, A.B. (*Univ. of California, Los Angeles*) 1945 [Univ. of California Medical School]. *Los Angeles, Calif.*
†Tosteson, Daniel Charles (*Harvard University*). *Wauwatosa, Wis.*
Tyler, John Mason, A.B. (*Univ. of Minnesota*) 1943. *St. Paul, Minn.*
†Vigneron, Eugene Morgan, Jr. (*Yale Univ.* and *Harvard Univ.*) *Salisbury, Conn.*
Walton, Richmond Lee, A.B. (*Drew Univ.*) 1944. *West Orange, N. J.*
*Weil, Warren Burke (*Univ. of Georgia* and *Univ. of Florida*) [Alabama Medical Coll.]. *Birmingham, Ala.*
§Wells, Charles Howard (*Eau Claire State Teachers Coll., Providence Coll.*, and *Amherst Coll.*). *Hudson*
*Wilson, Frank Cunningham, Jr. (*Univ. of Virginia*) [Alabama Medical Coll.]. *Birmingham, Ala.*

†Winn, William Edward, Jr. (*Southern Methodist Univ.*). *Evansville, Ind.*
Wojcik, Ladislas Dolores, S.B. (*Simmons Coll.*) 1940. *Three Rivers*
*Wolfe, Stanley Jay (*Pennsylvania State Coll.*, *Alabama Polytechnic Inst.*, and *Vanderbilt Univ.*) [Baylor Univ. Coll. of Medicine]. *Brooklyn, N. Y.*
‡Wolfe, Walter Brewster (*Harvard Univ.*). *Pittsburgh, Pa.*
Wonka, Warren Joseph, A.B. (*Columbia Univ.*) 1944. *Middle Village, N. Y.*
*Wood, James Edwin, 3d (*Davidson Coll.* and *Duke Univ.*) [Univ. of Virginia Medical School]. *Charlottesville, Va.*
*Wright, Roger Howard, A.B. (*Miami Univ.*) 1945 [Univ. of Cincinnati Coll. of Medicine]. *Winchester*

THIRD CLASS

Achenbach, Hartwig, S.B. (*Univ. of Florida*) 1943. *Orlando, Fla.*
Aisenberg, Alan Clifford, S.B. 1945 (1946). *New York, N. Y.*
‡Allen, Richard Herbert (*Dartmouth Coll.*). *Janesville, Wis.*
Applegarth, Adrienne Patricia, A.B. (*Univ. of California*) 1946. *San Francisco, Calif.*
†Atherton, Eugene Ronald (*Johns Hopkins Univ.* and *Princeton Univ.*). *Washington, D. C.*
*Aycock, Robert Ray, S.B. (*Univ. of North Carolina*) 1947 [Univ. of North Carolina Medical School]. *Fremont, N. C.*
Babbitt, Rayma Lucille, S.B. (*Univ. of Arizona*) 1946. *Flagstaff, Ariz.*
*‡Batts, Elmer Earle (*Univ. of Miami*) [Univ. of North Carolina Medical School]. *Wilson, N. C.*
Bell, Edgar Dawson, Jr., A.B. (*Haverford Coll.*) 1942. *Ingomar, Pa.*
Berlow, Stanley, A.B. (*Univ. of Michigan*) 1941, A.M. (*Harvard Univ.*) 1942. *New York, N. Y.*
Bloomingdale, Lewis Morgan, S.B. (*Yale Univ.*) 1940, E.B. (*ibid.*) 1941. *Scarsdale, N. Y.*
¶†Blumberg, Mark Stuart (*Johns Hopkins Univ.* and *Harvard Univ.*), D.M.D. 1948. *New York, N. Y.*
‡Boone, Charles Walter (*Univ. of Texas*). *Inglewood, Calif.*
Borg, Donald Cecil, S.B. 1947 (1946). *Scarsdale, N. Y.*
‡Bower, Robert (*Harvard Univ.*, *Washington Univ.*, and *Univ. of Pennsylvania*). *Wyncote, Pa.*
Brennan, John Thomas, Jr., S.B. (*Coll. of the Holy Cross*) 1947. *Brooklyn, N. Y.*
¶Briggs, Leon Royden, Jr., S.B. 1944 (1943), D.M.D. 1948. *San Diego, Calif.*
‡Brittingham, Thomas Evans (*Princeton Univ.* and *Texas Christian Univ.*). *Fort Worth, Texas*

† Admitted on basis of two years' college work.
‡ Admitted on basis of three years' college work.
§ Admitted on basis of four years' college work (in several cases work for the degree completed).
* Transferred to third year class.
¶ Transferred to third year class from Harvard School of Dental Medicine.

*Brown, Cyrus Cathey, Jr., A.B. (*Dartmouth Coll.*) 1947 [Dartmouth Medical School]. *Little Rock, Ark.*
Broadaway, Rufus Keene, S.B. (*Tufts Coll.*) 1946. *Waltham*
Burke, Sean Kevin, A.B. (*Williams Coll.*) 1946. *Holyoke*
*Burnum, John Francis, S.B. (*Univ. of Alabama*) 1946 [Univ. of Alabama Medical School]. *Tuskaloosa, Ala.*
Burroughs, John Townsend, A.B. (*Brown Univ.*) 1946. *Akron, Ohio*
¶†Caul, Edward Henry (*Johns Hopkins Univ.* and *Harvard Univ.*), D.M.D. 1948. *Middlesex, N. J.*
Chaney, Robert Horace, A.B. (*Univ. of California*) 1942. *Lodi, Calif.*
Christie, William Edward, Jr., A.B. (*Boston Coll.*) 1943. *Rockland*
¶‡Clifton, Robert Howarth (*Dartmouth Coll.*), D.M.D. 1948. *Fall River*
Coe, Robert Campbell, S.B. (*Univ. of Washington*) 1940. *Seattle, Wash.*
Colman, Edward Leonard, 2d, A.B. (*Yale Univ.*) 1942. *Minneapolis, Minn.*
*Connolly, Archie Moore, A.B. (*Yale Univ.*) 1946 [Univ. of Texas Medical School]. *Fort Worth, Texas*
Coulter, Norman Arthur, Jr., S.B. (*Virginia Polytechnic Inst.*) 1941. *Harrisburg, Pa.*
Creedon, Richard Joseph, A.B. 1945 (1946). *Fords, N. J.*
Cronkhite, Leonard Wolsey, Jr., A.B. (*Bowdoin Coll.*) 1941 (1946). *Cambridge*
Cummins, James Francis, 3d, S.B. (*Univ. of Illinois*) 1942, S.M. (*ibid.*) 1946. *Olney, Ill.*
*†Dalton, John Caulfield (*Univ. of Virginia*) [Univ. of Virginia School of Medicine]. *Norfolk, Va.*
*Dampeer, John Oscar, Jr., S.B. (*Univ. of Mississippi*) 1947 [Univ. of Mississippi School of Medicine]. *Summit, Miss.*
Davies, Frederick McAllister, S.B. (*Tufts Coll.*) 1946. *Waltham*
Davis, Evelyn, A.B. (*Radcliffe Coll.*) 1939, A.M. (*Simmons Coll.*) 1944. *Brookline*
¶DiDomenico, Victor Phillip, S.B. (*Brown Univ.*) 1942, D.M.D. 1948. *Newton*
Ducey, James Edward, S.B. (*Univ. of Pittsburgh*) 1946. *Sewickley, Pa.*
Early, Robert Lawrence, S.B. (*Michigan State Coll.*) 1943. *Lansing, Mich.*
‡Eaton, John Harold (*Univ. of California*). *Rivera, Calif.*
‡Egdahl, Richard Harrison (*Dartmouth Coll.*). *Eau Claire, Wis.*
Eisner, Victor, A.B. (*Stanford Univ.*) 1946. *San Francisco, Calif.*
§Elder, Lindsey Thomas, Jr. (*Univ. of Texas*). *Omaha, Nebr.*
Emerson, Richard Putnam, A.B. 1943. *Short Hills, N. J.*
‡Estes, Hilliard Donald (*Univ. of Kansas*). *Montgomery, Ala.*
‡Feldmann, Robert John (*Univ. of Wisconsin*). *Glenview, Ill.*
Field, Richard Allan, A.B. 1942 (1943). *Chicago, Ill.*
Ford, Amasa Brooks, A.B. (*Yale Univ.*) 1943. *Shaker Heights, Ohio*

Frank, Howard David, S.B. (*Univ. of Vermont*) 1947. *Burlington, Vt.*
Gair, Donald Saul, S.B. 1945. *New York, N. Y.*
Gale, Arnold Sidney, A.B. 1940. *Brookline*
*Garran, Frank Warren, Jr., A.B. (*Dartmouth Coll.*) 1947 [Dartmouth Medical School]. *Hanover, N. H.*
‡Garrett, John Joseph, Jr. (*Niagara Univ.*). *New Hartford, N. Y.*
*Garry, John, A.B. (*Dartmouth Coll.*) 1947 [Dartmouth Medical School]. *Lawrence*
Gelman, Renée, A.B. (*Hunter Coll.*) 1945. *New York, N. Y.*
Glimcher, Melvin Jacob, S.B. (*Purdue Univ.*) 1946. *Chelsea*
Goldblatt, Julius Eli, S.B. (*Tufts Coll.*) 1941. *Lawrence*
Gordon, Marvin Lee, A.B. (*Miami Univ.*) 1946. *Columbus, Ohio*
Graham, Kenneth Merle, A.B. (*Allegheny Coll.*) 1941, A.M. (*Univ. of Illinois*) 1942. *Meadville, Pa.*
¶‡Gravellese, Joseph Angelo (*Boston Univ.* and *Middlebury Coll.*), D.M.D. 1948. *West Somerville*
Greenbaum, James Kennedy, A.B. (*Princeton Univ.*) 1942. *Kittanning, Pa.*
*Hagerman, Dwain Douglas, A.B. (*Univ. of Colorado*) 1945, S.M. (*ibid.*) 1948 [Univ. of Colorado Medical School]. *Idaho Springs, Colo.*
Hannas, Ralston Raymond, Jr., S.B. (*Purdue Univ.*) 1939. *Western Springs, Ill.*
†Hayes, Thomas Bartholomew (*Emory Univ.*). *North Andover*
Head, John Morrison, A.B. (*Univ. of Missouri*) 1946. *Columbia, Mo.*
*Hess, Helen Hope, A.B. (*West Virginia Univ.*) 1946 [West Virginia Univ. School of Medicine]. *Morgantown, W. Va.*
*Hoeg, Dwight Carroll, A.B. (*Univ. of Minnesota*) 1947, S.B. (*ibid.*) 1948 [Univ. of Minnesota Medical School]. *Lake View, Iowa*
¶†Hoffman, John William (*River Falls State Teachers Coll.* and *Middlebury Coll.*), D.M.D. 1948. *Cumberland, Wis.*
Hollander, Walter, Jr., S.B. (*Haverford Coll.*) 1943. *Baltimore, Md.*
Ireton, Richard Johnson, A.B. (*Ohio State Univ.*) 1946. *Van Wert, Ohio*
‡Isselbacher, Kurt Julius (*Harvard Univ.*). *Portsmouth, N. H.*
‡Kramer, John Charles (*Univ. of Oklahoma, Johns Hopkins Univ.*, and *George Washington Univ.*). *Tulsa, Okla.*
Kriete, Bertrand Carl, A.B. (*DePauw Univ.*) 1937. *Cincinnati, Ohio*
‡Lance, Richard Victor (*Univ. of Washington* and *South Dakota School of Mines*). *Bothell, Wash.*
‡Lane, Frank Wesley, Jr. (*Cambridge Jr. Coll.* and *Harvard Univ.*). *Waltham*
‡Laster, Leonard (*Harvard Univ.*). *New York, N. Y.*
‡Lear, Arnold Albert (*New York Univ.*). *Long Island City, N. Y.*

Lee, Feung Bok, S.B. (*Oregon State Coll.*) 1942. *Corvallis, Ore.*
*Levin, Sheldon Marvin, A.B. (*Univ. of California*) 1943 [Univ. of Southern California School of Medicine]. *Los Angeles, Calif.*
Liva, Edward Louis, S.B. 1947 (1946). *Lyndhurst, N. J.*
Logan, William Bryant, Jr., S.B. (*Yale Univ.*) 1946. *Pelham Manor, N. Y.*
*Lovelace, John Rupert, S.B. (*Mississippi State Univ.*) 1947 [Univ. of Mississippi School of Medicine]. *Batesville, Miss.*
Lusted, Lee Browning, A.B. (*Cornell Coll.*) 1943. *Cambridge*
*Lyon, George Adair, A.B. (*Dartmouth Coll.*) 1947 [Dartmouth Medical School]. *Hanover, N. H.*
*Mabe, Robert Edgar, S.B. (*Univ. of North Carolina*) 1947 [Univ. of North Carolina Medical School]. *Asheboro, N. C.*
Macomber, Peter Browne, A.B. (*Bowdoin Coll.*) 1947. *Brunswick, Maine*
¶†Mahoney, Edward Aloysius, Jr. (*Harvard Univ.*), D.M.D. 1948. *Newtonville*
Mandelstam, Paul, A.B. 1944 (1945), A.M. 1946. *Allston*
†Margulis, Alexander (*Univ. of Belgrade*). *Belgrade, Yugoslavia*
*McNeely, William Fennell, S.B. (*Univ. of North Carolina*) 1947 [Univ. of North Carolina Medical School]. *Greensboro, N. C.*
Merryfield, Lloyd William, S.B. (*California Inst. of Technology*) 1942, S.M. (*ibid.*) 1943. *Compton, Calif.*
‡Miller, William Paul (*Univ. of Washington*). *Seattle, Wash.*
Minot, Henry Davis, Jr., A.B. 1940 (1941). *Boston*
Mitchell, Avard Marion, S.B. (*Mount Union Coll.*) 1941, S.M. (*Purdue Univ.*) 1943. *Canton, Ohio*
‡Moldawer, Marc Perlstein (*Univ. of Pennsylvania* and *Harvard Univ.*). *Philadelphia, Pa.*
¶‡Moore, Lawrence Terence (*Gonzaga Univ.*), D.M.D. 1948. *Tacoma, Wash.*
†Mora-Castañeda, Federico (*Univ. of Guatemala* and *Harvard Univ.*). *Guatemala, C. A.*
¶Morel, Arnold Stephen, S.B. (*St. John's Univ.*) 1942, D.M.D. 1948. *Brooklyn, N. Y.*
Morrison, Robert Stier, A.B. (*Univ. of Missouri*) 1946. *Lexington, Mo.*
O'Meara, Maurice Patrick, S.B. (*Tufts Coll.*) 1946. *West DePere, Wis.*
Owens, Guy, S.B. (*Tufts Coll.*) 1946. *Amarillo, Texas*
Parks, John Hulbert, A.B. (*Dartmouth Coll.*) 1946. *Los Angeles, Calif.*
Patterson, William Bradford, A.B. 1942. *Granby, Conn.*
*Pernokas, Louis Nicholas, A.B. (*Dartmouth Coll.*) 1947 [Dartmouth Medical School]. *South Boston*
Petty, Charles Sutherland, S.B. (*Univ. of Washington*) 1941, S.M. (*ibid.*) 1946. *Seattle, Wash.*
*Piatt, Edward Donn, Jr. (*Louisiana Polytechnic Inst.*) [Univ. of Alabama Medical School]. *Ruston, La.*

Pikula, John Vernon, S.B. (*Univ. of Florida*) 1941. *Fernandina, Fla.*
Powell, Marvin Julius, S.B. 1947 (1946). *Annawan, Ill.*
‡Proudfoot, Warren Harding (*Harvard Univ.*). *Belington, W. Va.*
Ramirez de Arellano, Alfredo Antonio, S.B. (*Univ. of Puerto Rico*) 1945. *Santurce, Puerto Rico*
Reznick, Leon, A.B. 1946 (1945). *Dorchester*
Richards, William Allen, S.B. 1943 (1944). *Waltham*
‡Robuck, John D, Jr. (*Mesa Jr. Coll., Colorado Coll.*, and *Univ. of California*). *Montrose, Colo.*
Rock, Herbert Gerald, S.B. (*New York State Coll.*) 1941. *Plattsburg, N. Y.*
‡Rockwood, Wade (*Harvard Univ.*). *East Aurora, N. Y.*
‡Ross, Merrill Herbert (*Cornell Univ.*). *Bronx, N. Y.*
Sachs, Marvin Leonard, A.B. (*Yale Univ.*) 1946. *Allentown, Pa.*
Salibi, Bahij Sulayman, B.A. (*American Univ. of Beirut*) 1941, M.A. (*ibid.*) 1944. *Beirut, Lebanon*
*Saunders, Norman Williams, A.B. (*Dartmouth Coll.*) 1947 [Dartmouth Medical School]. *Providence, R. I.*
*Schaupp, Willis Clayton, A.B. (*Stanford Univ.*) 1947 [Stanford Univ. School of Medicine]. *San Francisco, Calif.*
‡Schoenheit, Edward William (*Univ. of North Carolina*). *Asheville, N. C.*
Schwartz, Herman Arthur, S.B. (*Cornell Univ.*) 1941. *New York, N. Y.*
Sears, Kenneth Louis, S.B. (*Univ. of Illinois*) 1940. *Plano, Ill.*
*Shea, Cyril Emmett, Jr., A.B. (*Dartmouth Coll.*) 1947 [Dartmouth Medical School]. *Chicopee Falls*
Sheldon, David Butterfield, S.B. (*California Inst. of Technology*) 1946. *Los Angeles, Calif.*
‡Shields, Daniel Roger (*Harvard Univ.*). *Sugar Grove, Ill.*
*Sissman, Norman Joseph, A.B. (*Dartmouth Coll.*) 1947 [Dartmouth Medical School]. *Pittsburgh, Pa.*
Slingerland, Dorraine Ward, S.B. 1943 (1944). *Pleasantville, N. Y.*
Smythe, Richard Landis, A.B. 1947 (1946). *Indianapolis, Ind.*
Staley, Jack Ramsey, S.B. (*Union Coll.*) 1946. *Schenectady, N. Y.*
‡Stern, Ruth Sylvia (*Radcliffe Coll.*). *Newton Center*
*Stewart, Charles Thomas, A.B. (*Stanford Univ.*) 1947 [Stanford Univ. School of Medicine]. *Tacoma, Wash.*
‡Sykes, James Louis (*Pennsylvania State Coll.* and *Youngstown Coll.*). *Savannah, Ga.*
Walker, Kenneth Francis, B.A. (*Univ. of Toronto*) 1946. *Niagara Falls, Ontario, Canada*
*Walker, Thomas English, A.B. (*Davidson Coll.*) 1939, A.M. (*Univ. of North Carolina*) 1941, S.M. (*ibid.*) 1942 [Univ. of North Carolina Medical School]. *Charlotte, N. C.*

White, Roger Ferris, S.B. (*Kansas State Coll.*) 1940, S.M. (*Washington State Coll.*) 1946. *Buda, Ill.*
‡Whitfield, Thomas Japheth, 3d (*Duke Univ.*). *Suffolk, Va.*
*Wilder, Walter Llewellyn, A.B. (*Univ. of Minnesota*) 1947 [Univ. of Minnesota Medical School]. *Minneapolis, Minn.*
Williams, Thomas Franklin, S.B. (*Univ. of North Carolina*) 1942, A.M. (*Columbia Univ.*) 1943. *Landis, N. C.*
‡Wise, Gordon Francis (*Michigan State Coll.* and *Univ. of Arkansas*). *Palo, Mich.*
Wolff, Richard, A.B. 1944 (1943). *Brookline*
*Young, Daniel Test, S.B. (*Guilford Coll.*) 1946 [Univ. of North Carolina Medical School].

SECOND CLASS

‡Aikman, William Oakley (*Univ. of Florida* and *Harvard Coll.*). *Cazenovia, N. Y.*
Arnstein, Robert Leo, A.B. (*Yale Univ.*) 1941. *New York, N. Y.*
Arthur, Ransom James, A.B. (*Univ. of California*) 1947. *Eldridge, Calif.*
Atik, Mohammed, A.B. (*Univ. of California*) 1947. *Kabul, Afghanistan*
‡Baker, Lawrence Martin, 3d (*Univ. of Pittsburgh, Washington Univ.*, and *Harvard Coll.*). *Coraopolis, Pa.*
‡Bell, George Alan (*Univ. of Tennessee*). *Tacoma, Wash.*
§Bellis, John Marvin, Jr. (*Coll. of William and Mary*). *Frederick, Md.*
§Boomer, Robert Bruce (*Massachusetts Inst. of Technology* and *Univ. of Idaho*). *Payette, Idaho*
Bradshaw, John Schwab, A.B. (*Oberlin Coll.*) 1947. *Oberlin, Ohio*
Cain, Arthur James, A.B. (*Boston Univ.*) 1944, A.M. (*ibid.*) 1947. *Lynn*
Campbell, Joseph Edward, A.B. (*Texas Christian Univ.*) 1947. *Tyler, Texas*
Cary, Ellen Brooks, A.B. (*Bryn Mawr Coll.*) 1947. *Haverford, Pa.*
§Castillo-Agudo, Rafael Angel (*Univ. of Puerto Rico*). *Santurce, Puerto Rico*
Chapman, Robert Galbraith, A.B. (*Yale Univ.*) 1947. *Colorado Springs, Colo.*
Clapp, Paul, S.B. (*United States Naval Academy*) 1944. *Missoula, Mont.*
Damon, Albert, A.B. 1938, PH.D. (*Univ. of Chicago*) 1946. *Newton*
Danforth, William Henry, A.B. (*Princeton Univ.*) 1947. *Clayton, Mo.*
Davis, Robert Paul, A.B. 1947. *Dorchester*
‡Dawson, Jean Patricia (*Univ. of California*). *Berkeley, Calif.*
DiRaimondo, Vincent Charles, S.B. (*Beloit Coll.*) 1943, S.M. (*Univ. of Wisconsin*) 1944. *Rockford, Ill.*
Dreyfus, Edward Goulston, A.B. 1940. *Boston*
°Efron, Mary Louise, A.B. (*Barnard Coll.*) 1947 [Columbia Univ. Coll. of Physicians and Surgeons]. *Elmhurst, Long Island, N. Y.*

‡ Admitted on basis of three years' college work.
§ Admitted on basis of four years' college work (in several cases work for the degree completed).
° Transferred to second year class.

Ellison, Arthur Ellsworth, 3d, A.B. (*Williams Coll.*) 1946. *Richmond, Va.*
Elser, Otto Helmut, A.B. (*New York Univ.*) 1942. *Independence, Mo.*
Fernald, Willard Barker, A.B. (*Brown Univ.*) 1947. *Upper Montclair, N. J.*
‡Field, James Bernard (*Harvard Coll.*). *Fort Wayne, Ind.*
Fischbein, Jerome Wollison, A.B. 1947. *East Orange, N. J.*
‡Foster, Gerald Sidney (*Allegheny Coll.*). *Pittsburgh, Pa.*
Fraser, Glendon Chisholm, S.B. (*Western Reserve Univ.*) 1947. *S. Euclid, Ohio*
‡Galdston, Richard (*Univ. of Wisconsin* and *Univ. of Chicago*). *Brooklyn, N. Y.*
Gauchat, Robert David, A.B. 1944 (1947). *Warren, Ohio*
Geschwind, Norman, A.B. 1946 (1947). *Brooklyn, N. Y.*
Ginandes, Shepard Coleman, A.B. 1947. *Neponsit, N. Y.*
Goodrich, Charles Howard, 2d, A.B. (*Princeton Univ.*) 1947. *Hingham*
Gould, John Charles Cooper, A.B. 1947. *Fort Wayne, Ind.*
Gravallese, Michael Angelo, Jr., A.B. 1947. *Boston*
Hayes, David, S.B. 1947. *New Canaan, Conn.*
Haymond, Thomas Arnette, A.B. 1947. *Charleston, W. Va.*
Haynes, Walter Marion, Jr., S.B. (*Univ. of Florida*) 1947. *Sanford, Fla.*
Hiebert, Clement Arthur, A.B. (*Bowdoin Coll.*) 1947. *Lewiston, Maine*
Hogan, Elizabeth Almarine, A.B. (*Univ. of California*) 1947. *Stockton, Calif.*
‡Holloman, Jeff Joe (*Oklahoma Agricultural and Mechanical Coll*). *Frederick, Okla.*
Hudson, Bruce Herndon, A.B. (*Oberlin Coll.*) 1947. *Athens, Ohio*
Hutchison, George Barkley, A.B. 1943. *Cambridge*
Jefferson, Mildred Fay, A.B. (*Texas Coll.*) 1945, S.M. (*Tufts Coll.*) 1947. *Boston*
§Jencks, William Platt (*Harvard Coll.*) *Taos, N. Mex.*
‡ Jones, Richard Lee (*Univ. of Southern California*). *Los Angeles, Calif.*
Jones, Wilfred Fuller, Jr., A.B. (*Brown Univ.*) 1943. *Springfield*
Karlen, William Sidney, A.B. 1947. *Newark, N. J.*
Kiely, Brian, A.B. 1943. *Cincinnati, Ohio*
Kirn, George John, S.B. 1946 (1945). *Council Bluffs, Iowa*
Kliewer, David Donald, S.B. (*Wheaton Coll.*) 1939. *Albany, Ore.*
Krakauer, Lewis Joseph, A.B. (*Williams Coll.*) 1947. *Brooklyn, N. Y.*
Kushnick, Theodore, S.B. (*Ohio State Univ.*) 1944, S.M. (*ibid.*) 1947. *Brooklyn, N. Y.*
Lacy, William White, S.B. (*Davidson Coll.*) 1947. *Richmond, Va.*
Lamdin, Ezra, A.B. 1947. *Cleveland, Ohio*
§Lohnes, Willard Erwin (*Vanderbilt Univ.* and *State Univ. of Iowa*). *Waterloo, Iowa*
Ludwick, John Phillip, A.B. 1947. *Jackson, Mich.*
‡Lyon, Wilbur Harvey, Jr. (*Coll. of Wooster*). *Bombay, India*
Manson, William Gresham, A.B. 1941. *Murfreesboro, Tenn.*

‡Matthews, Homer Burtis (*Grinnell Coll.* and *Univ. of Chicago*). *Auburndale*
§May, Harold Louis (*Harvard Coll.*). *Poughkeepsie, N. Y.*
‡McDuffie, Frederic Clement (*Harvard Coll.*). *Andover*
Meadows, Paul McDonnald, A.B. (*State Univ. of Iowa*) 1947. *Iowa City, Iowa*
†Moore, Robert Francis (*Boston Univ.*). *Somerville*
Murphey, Bradford Griffin, A.B. 1946. *Denver, Colo.*
Murphy, George Byrd, Jr., A.B. (*Univ. of Virginia*) 1946. *Stephenville, Texas*
Nevis, Arnold Hastings, S.B. (*California Inst. of Technology*) 1947. *Glendale, Calif.*
‡Nielsen, Robert Louis (*Montana State Univ.*). *Missoula, Mont.*
Novick, Alvin, A.B. 1947. *Flushing, N. Y.*
Oates, Robert George, A.B. (*Princeton Univ.*) 1947. *Parkersburg, W. Va.*
Olson, Robert Eugene, A.B. (*Gustavus Adolphus Coll.*) 1938, PH.D. (*St. Louis Univ.*) 1944. *Minneapolis, Minn.*
‡Palladino, Neil Mario (*Union Coll.*). *Bloomfield, N. J.*
Parker, John Eversole, S.B. (*California Inst. of Technology*) 1938. *Pasadena, Calif.*
Peebles, Thomas Chalmers, S.B. 1942. *Boston*
Pellettier, Lawrence Vincent, Jr., A.B. (*Union Coll.*) 1940. *Albany, N. Y.*
Perrin, George Midwood, A.B. (*Williams Coll.*) 1947. *Wellesley Hills*
Reid, Robert Clay, A.B. (*Univ. of Missouri*) 1947. *Peculiar, Mo.*
Reusch, Donald Carlyle, A.B. 1947. *Fort Thomas, Ky.*
Richardson, David Walthall, S.B. (*Davidson Coll.*) 1947. *Richmond, Va.*
§Richter, Tor (*Univ. of Chicago*, *Univ. of Michigan*, and *Univ. of Minnesota*). *Chicago, Ill.*
Robey, John Stevens, A.B. 1947. *Cambridge*
Roth, Dover, A.B. (*Coll. of Mines and Metallurgy*) 1947. *El Paso, Texas*
Rowe, John Charles, A.B. (*Colgate Univ.*) 1947. *Dunkirk, N. Y.*
Rubinstein, Norman Edward, A.B. (*Univ. of Wisconsin*) 1947. *New York, N. Y.*
Sears, Jane Bowen, A.B. (*Wellesley Coll.*) 1947. *Harrodsburg, Ky.*
Shaffer, Frederick Gaylord, A.B. (*West Virginia Univ.*) 1947. *Nestorville, W. Va.*
Singh, Madan Mohan, B.SC. (*Patna Univ., India*) 1942, M.SC. (*ibid.*) 1944. *Gaya, India*
Skinner, Alfred Loring, Jr., S.B. 1947. *Needham*
Sluis, Joost, S.B. (*Massachusetts Inst. of Technology*) 1947, S.M. (*ibid.*) 1947. *Modesto, Calif.*
Snow, David Bruce, A.B. 1947. *Manchester, N. H.*
Stanford, John, A.B. (*Amherst Coll.*) 1947. *Essex, Conn.*

Strober, Murray, A.B. (*Columbia Univ.*) 1948. *Brooklyn, N. Y.*
‡Sult, Francis Laurance (*Coll. of Idaho* and *Univ. of Idaho*). *Cascade, Idaho*
Summer, George Kendrick, S.B. (*Univ. of North Carolina*) 1944. *Cherryville, N. C.*
Tisdale, William Allan, S.B. (*Univ. of Florida*) 1947. *Gainesville, Fla.*
Toll, Giles Darwin, A.B. (*Williams Coll.*) 1947. *Denver, Colo.*
‡Tomchik, Frederick Stephen (*Junior Coll. of Connecticut* and *Univ. of Connecticut*). *Bridgeport, Conn.*
Tully, Bernard Michael, S.B. (*Univ. of Miami*) 1947. *Chicago, Ill.*
Tuttle, Elbert Parr, Jr., A.B. (*Princeton Univ.*) 1942. *Atlanta, Ga.*
Udall, Addison Richard, S.B. (*Brigham Young Univ.*) 1947. *Thatcher, Ariz.*
Vickery, Clement Clifford, A.B. (*Whitman Coll.*) 1946. *Akron, Ohio*
Watson, Paul Louis, A.B. (*Cornell Coll.*) 1947. *Ogden, Iowa*
Weiner, Aaron David, A.B. (*Brooklyn Coll.*) 1940. *Brooklyn, N. Y.*
‡Wheeler, Henry Orson, Jr. (*California Inst. of Technology, Harvard Coll.*, and *Massachusetts Inst. of Technology*). *Los Angeles, Calif.*
White, Arthur Clinton, S.B. (*Univ. of Kentucky*) 1947. *Williamsburg, Ky.*
Wilmer, Edward Pancoast, A.B. (*Williams Coll.*) 1947. *Granville, N. Y.*
Wingate, James Harmon, S.B. (*Univ. of Washington*) 1947. *Tacoma, Wash.*
Woodbury, Michael Aime, A.B. 1945 (1949). *New York, N. Y.*
‡Woodward, George Hartley (*Dartmouth Coll.*). *Weston, Mass.*
Yaffee, Howard Stanley, A.B. (*Syracuse Univ.*) 1947. *Cambridge*
Yanagi, Glenn Noriyuki, A.B. (*Columbia Univ.*) 1944, A.M. (*Harvard Univ.*) 1945, PH.D. 1947. *Honolulu, T. H.*
Zoglin, Stanton Francis, S.B. 1947. *Kansas City, Mo.*
Zukoski, Charles Frederick, 3d, A.B. (*Univ. of North Carolina*) 1947. *Birmingham, Ala.*

FIRST CLASS

‡Andersen, James Gordon (*Univ. of Colorado*). *Brush, Colo.*
Anderson, Albert Douglas, A.B. (*Columbia Univ.*) 1948. *New York, N. Y.*
Arvidson, Rolf, A.B. (*Grinnell Coll.*) 1948. *Holmestrand, Norway*
Atkins, Harold Lewis, S.B. (*Yale Univ.*) 1948. *Belleville, N. J.*
Bartman, Richard Edward, A.B. (*Wesleyan Univ.*) 1948. *Hartford, Conn.*
Bascom, George Sparhawk, S.B. (*Kansas State Coll.*) 1948. *Manhattan, Kans.*
Berk, James Lawrence, A.B. 1948. *Akron, Ohio*
‡Bernstein, Eugene A (*Harvard Coll.*). *Los Angeles, Calif.*
Bernstein, James Stuart, A.B. 1949 (1948). *Brooklyn, N. Y.*
Bertles, John Francis, S.B. (*Yale Univ.*) 1945. *Spokane, Wash.*
Branaman, William Steven, S.B. (*Univ. of Arizona*) 1943. *Florence, Ariz.*
‡Brown, Edwin Wilson, Jr. (*Houghton Coll., Carnegie Inst. of Tech., Amherst Coll.*, and *Univ. of Buffalo*). *Williamsville, N. Y.*

‡ Admitted on basis of three years' college work.
§ Admitted on basis of four years' college work (in several cases work for the degree completed).

‡Brown, Frederick Ronald, Jr. (*Bowdoin Coll.* and *McGill Univ.*). *Winchester*
‡Brown, Owen Lester (*Univ. of Kentucky* and *Tulsa Univ.*). *Russell Springs, Ky.*
Bryan, Patricia Coghlan, A.B. (*Trinity Coll.*) 1948. *Atlanta, Ga.*
Buchanan, William Roderick, Jr., A.B. (*Yale Univ.*) 1948. *Athol*
Calladine, Ruth Arlene, S.B. (*Univ. of Chicago*) 1948. *Woodstock, Ill.*
Carlton, Lawrence Sumner, Jr., A.B. 1946 (1948). *Cambridge*
Chiat, Harold, A.B. (*Columbia Univ.*) 1948. *Brooklyn, N. Y.*
‡Clawson, David Kay (*Univ. of Utah*). *Salt Lake City, Utah*
Cochran, William Davis, A.B. 1945 (1948). *Cambridge*
Coleman, Marshall Donald, A.B. 1948. *Utica, N. Y.*
‡Collins, Herschel Douglas (*Univ. of Maine*). *Caribou, Maine*
Conkling, Frederic Everett, 3d, S.B. (*Univ. of Florida*) 1947. *Miami, Fla.*
Constable, John Davidson, A.B. 1947. *Cambridge*
‡Costanzo, Frank Anthony (*Yale Coll.*). *Lakewood, Ohio*
§Cummings, Rial Wheeler (*Montana State Univ.* and *Carroll Coll.*). *Plains, Mont.*
Curran, William Sheldon, A.B. 1947 (1948). *Brooklyn, N. Y.*
‡Curtin, Richard Reed (*Swarthmore Coll.*). *Webster Springs, W. Va.*
Donovan, James Frederic, A.B. (*Univ. of Maine*) 1948. *Houlton, Maine*
Dowling, James Thomas, S.B. (*Univ. of Washington*) 1948. *Seattle, Wash.*
Drewry, Garth Richard, S.B. (*Yale Univ.*) 1948. *Springfield*
‡Dudley, Hugh Robert, Jr. (*Harvard Coll.*). *Huntington, W. Va.*
Efron, Robert, A.B. (*Columbia Univ.*) 1948. *Elmhurst, N. Y.*
Ehrentheil, Susanne Judith, A.B. (*Radcliffe Coll.*) 1948. *Brighton*
Fornshell, Robert Pearce, A.B. 1947 (1948). *Kent, Ohio*
Gerstley, Betty Jane Selverstone, A.B. (*Wellesley Coll.*) 1948. *New York, N. Y.*
‡Giannelli, Stanley, Jr. (*Yale Coll.*). *West Haven, Conn.*
Grinker, Roy Richard, Jr., PH.B. (*Univ. of Chicago*) 1947. *Chicago, Ill.*
Grunebaum, Henry Ulmann, A.B. 1948. *Scarsdale, N. Y.*
‡Guntheroth, Warren Gaden (*Harvard Coll.*). *Tulsa, Okla.*
Hall, Addison Gordon, A.B. (*Univ. of California*) 1948. *El Cerrito, Calif.*
Hancock, Ernest William, A.B. (*Univ. of Nebraska*) 1948. *Lincoln, Nebr.*
‡Hinshaw, Horton Corwin, Jr. (*Carleton Coll.* and *Univ. of Minnesota*). *San Francisco, Calif.*
Hobart, Kent Haessler, A.B. (*Univ. of Illinois*) 1948. *Champaign, Ill.*
Hubon, Mollie Jean, A.B. (*Wellesley Coll.*) 1948. *Brooklyn, N. Y.*
Huggins, Charles Edward, PH.B. (*Univ. of Chicago*) 1947. *Chicago, Ill.*
Johnson, Thomas William, S.B. (*Univ. of Washington*) 1948. *Spokane, Wash.*

Jurkiewicz, Maurice John, D.D.S. (*Univ. of Maryland*) 1946. *Bellows Falls, Vt.*
Keith, Laurel Eugene, S.B. (*Univ. of Michigan*) 1948. *Cassopolis, Mich.*
‡Keith, Thomas Arbuthnot, 3d (*Univ. of Cincinnati*). *Maysville, Ky.*
‡Kent, Stanley Webber (*Univ. of Colorado*). *Denver, Colo.*
King, Merrill Jenks, A.B. (*Hamilton Coll.*) 1948. *Wellesley Hills*
‡Klee, Gerald D'Arcy (*McGill Univ.* and *Princeton Univ.*). *Brooklyn, N. Y.*
‡Kraus, William Ludwig (*St. Stephan Coll.*, *Munich Univ.*, and *Harvard Coll.*). *New Rochelle, N. Y.*
Lance, Kendrick Paige, A.B. (*Princeton Univ.*) 1948. *Rahway, N. J.*
Lefemine, Armand Angelo, S.B. (*Coll. of the Holy Cross*) 1948. *Windsor Locks, Conn.*
Leman, Craig Billings, A.B. (*Univ. of Chicago*) 1946. *Chicago, Ill.*
Lichtenstein, Robert, PH.B. (*Univ. of Chicago*) 1947. *Chicago, Ill.*
Loesch, John George, A.B. (*Princeton Univ.*) 1948. *Westfield, N. J.*
Loop, John Wickwire, S.B. (*Univ. of Wyoming*) 1948. *Belvidere, Ill.*
‡Luessenhop, Alfred John (*Yale Coll.*). *Westfield, N. J.*
Lundborg, Bradford Wellington, A.B. (*Stanford Univ.*) 1948. *Atherton, Calif.*
‡MacDonald, Donald Paul (*Harvard Coll.*). *Cambridge*
Malcolm, John Alfred, A.B. 1948. *Bronxville, N. Y.*
Martin, John Joseph, S.B. (*Univ. of Massachusetts*) 1948. *Adams*
‡Merkley, Ralph G. (*Univ. of Utah*). *Salt Lake City, Utah*
Mero, Kathleen, A.B. (*Barnard Coll.*) 1948. *New York, N. Y.*
Michener, David Paul, A.B. (*Antioch Coll.*) 1948. *Yellow Springs, Ohio*
Moersch, Richard Norval, A.B. (*Dartmouth Coll.*) 1948. *Rochester, Minn.*
Mogul, Samuel Louis, A.B. 1949 (1948). *Atlanta, Ga.*
Moore, Robert Francis, A.B. (*Pomona Coll.*) 1940, S.M. (*Univ. of Alabama*) 1948. *San Diego, Calif.*
Morgan, William Lionel, Jr., A.B. (*Yale Univ.*) 1948. *Honolulu, Hawaii*
‡Murphy, James William (*Harvard Coll.*). *Rhinebeck, N. Y.*
Myers, Joseph Henry, A.B. (*Hiram Coll.*) 1948. *Cleveland, Ohio*
‡Neher, Frederick James (*Coll. of Puget Sound* and *Harvard Coll.*). *St. Paul, Minn.*
Ottenberg, Bernard Perry, A.B. 1948. *Philadelphia, Pa.*
Palubinskas, Alphonse John Bernard, S.B. (*Oberlin Coll.*) 1948. *Lowell*
‡Pauling, Linus Carl, Jr. (*Univ. of California*, *Pasadena Jr. Coll.*, and *Pomona Coll.*). *Pasadena, Calif.*
Pierce, Chester Middlebrook, A.B. 1948. *Glen Cove, N. Y.*
Pittman, James Allen, Jr., S.B. (*Davidson Coll.*) 1948. *Orlando, Fla.*
Potter, Robert Tillinghast, A.B. 1949 (1948). *New York, N. Y.*

Rachlin, William Selig, S.B. (*Princeton Univ.*) 1948. *Princeton, N. J.*
Radebaugh, John Franklin, Jr., S.B. (*Bates Coll.*) 1948. *Springfield*
Rasmussen, Howard, A.B. (*Gettysburg Coll.*) 1948. *Washington, D. C.*
Reese, Jack Wheeling, S.B. (*Massachusetts Institute of Technology*) 1943. *Boston*
‡Reichard, John Francis (*Haverford Coll.*, *Princeton Univ.*, and *Harvard Coll.*). *New York, N. Y.*
Rigler, Stanley Paul, A.B. (*Univ. of Minnesota*) 1948. *St. Paul, Minn.*
Rinaldo, Joseph Anthony, Jr., A.B. 1948. *Cambridge*
Rosa-Perez, Cesar Emilio, S.B. (*Univ. of Puerto Rico*) 1948. *Rio Piedras, Puerto Rico*
Royaltey, Harold Hodge, Jr., A.B. (*Univ. of Arizona*) 1949 (1948). *Tucson, Ariz.*
Rubinstein, Jack Herbert, A.B. (*Columbia Univ.*) 1947. *New York, N. Y.*
‡Ryan, Kenneth John (*Williams Coll.* and *Northwestern Univ.*). *Savana, Ill.*
Salisbury, Arthur John, S.B. (*Yale Univ.*) 1948. *N. Platte, Nebr.*
Samelson, Leo, PH.B. (*Univ. of Chicago*) 1947. *Chicago, Ill.*
Segal, Stanton, A.B. (*Princeton Univ.*) 1948. *Camden, N. J.*
Senft, Alfred, A.B. (*Univ. of California*) 1948. *Billings, Mont.*
Shapiro, Paul Bamberger, A.B. (*Williams Coll.*) 1948. *Paterson, N. J.*
‡Sharp, Robert Farnsworth (*Pennsylvania State Coll.* and *Univ. of Utah*). *Salt Lake City, Utah*
Shillito, John, Jr., A.B. 1945 (1947). *Chestnut Hill*
Smith, William Frederick, S.B. (*Western Reserve Univ.*) 1948. *Cleveland, Ohio*
Stone, Mary Helen, A.B. (*Wellesley Coll.*) 1948. *Coatesville, Pa.*
Sturtevant, Vaughan Raymond, A.B. (*Univ. of Maine*) 1947. *Livermore Falls, Maine*
Taber, Ben-Zion, A.B. (*Brown Univ.*) 1948. *Providence, R. I.*
‡Teel, Peter (*Montana State Univ.* and *American Univ. of Beirut*). *Polson, Mont.*
Thomas, John Barry, S.B. (*Yale Univ.*) 1948. *Hartford, Conn.*
‡Thorlakson, Neil Frederick (*Univ. of Washington* and *Univ. of Oslo*). *Seattle, Wash.*
Twitchell, Dorothy, A.B. (*Univ. of California*) 1948. *Owatonna, Minn.*
‡Vanderveen, James Leo (*Vanderbilt Univ.*). *Willcox, Ariz.*
Watkins, Lee Clifford, Jr., S.B. 1948. *Savannah, Ga.*
Webster, Henry deForest, A.B. (*Amherst Coll.*) 1948. *Bedford Hills, N. Y.*
‡Wheeler, Hewitt Brownell (*Vanderbilt Univ.*). *Nashville, Tenn.*
‡Wilber, Joseph Anthony (*St. Bonaventure Coll.* and *Boston Coll.*). *Jamaica Plain*
Wilson, Lewis Grant, A.B. 1948. *Pasadena, Calif.*

SUMMARY, 1948–1949

Fourth Year	142
Third Year	143
Second Year	113
First Year	114
Total	512

COLLEGES REPRESENTED

1948–1949

Alabama Polytechnic Institute	2
Alabama, University of	2
Allegheny College	2
American University of Beirut	2
Amherst College	9
Antioch College	1
Arizona, University of	4
Arkansas, University of	1
Ball State Teachers College	1
Barnard College	3
Bates College	1
Belgrade, University of (Yugoslavia)	1
Beloit College	1
Boston College	4
Boston University	4
Bowdoin College	4
Brigham Young University	1
Brooklyn College	2
Brown University	12
Bryn Mawr College	3
Buffalo, University of	1
California Institute of Technology	5
California, University of	18
Calvin College	1
Carleton College	1
Carnegie Institute of Technology	2
Carroll College	1
Chicago, University of	11
Cincinnati, University of	1
Citadel, The	1
College of the City of New York	4
College of the Holy Cross	2
College of Mines and Metallurgy	1
College of Puget Sound	1
College of William and Mary	1
College of Wooster	1
Colgate University	1
Colorado College	1
Colorado, University of	3
Columbia University	8
Connecticut, University of	2
Cornell College	2
Cornell University	2
Dartmouth College	20
Davidson College	5
DePauw University	1
Drew University	1
Drexel Institute of Technology	1
Duke University	4
Eau Claire State Teachers College	1
Emory University	3
Florida Southern College	1
Florida, University of	9
Franklin and Marshall College	1
George Washington University	1
Georgia, University of	1
Gettysburg College	1
Gonzaga University	1
Grinnell College	2
Guatemala, University of	1
Guilford College	1
Gustavus Adolphus College	1
Hamilton College	2
Harvard University	117
Haverford College	4
Hiram College	1
Hobart College	1
Houghton College	1
Hunter College	1
Idaho, College of	1
Idaho, University of	2
Illinois, University of	5
Indiana University	1
Iowa, State University of	2
John Carroll University	1
Johns Hopkins University	3
Kansas State College	2
Kansas, University of	1
Kentucky, University of	3
Louisiana Polytechnic Institute	1
Maine, University of	4
Manhattan College	1
Marquette University	1
Maryland, University of	1
Massachusetts Institute of Technology	5
Massachusetts State College	2
McGill University	2
Mercer University	2
Miami University	3
Miami, University of	2
Michigan State College	3
Michigan, University of	4
Middlebury College	3
Minnesota, University of	8
Mississippi State University	1
Mississippi, University of	5
Missouri, University of	5
Montana State University	3
Montclair State Teachers College	1
Mount Union College	2
Munich University (Germany)	1
Nebraska, University of	1
Newark College of Engineering	1
New York State College	1
New York University	7
Niagara University	2
North Carolina State College	1
North Carolina, University of	8
Northwestern University	1
Oberlin College	3
Ohio State University	4
Oklahoma Agricultural and Mechanical College	3
Oklahoma, University of	2
Oregon, State College	1
Oregon, University of	1
Oslo, University of (Norway)	1
Paris, University of (France)	1
Patna University (India)	1
Pennsylvania State College	4
Pennsylvania, University of	2
Phillips University	1
Pittsburgh, University of	2
Pomona College	2
Princeton University	16
Providence College	1
Puerto Rico, University of	4
Purdue University	3
Radcliffe College	6
Rensselaer Polytechnic Institute	1

Rhode Island State College	1
Rochester, University of	1
Rutgers University	1
St. Bonaventure College	1
San Marcos, University of (Peru)	1
St. Johns University	3
St. Louis University	1
St. Stephan University	1
Simmons College	1
Smith College	1
South Dakota School of Mines	1
Southern Methodist University	2
Southwestern Louisiana Institute	1
Springfield College	1
Stanford University	7
Swarthmore College	4
Syracuse University	4
Tennessee, University of	1
Texas Christian University	2
Texas College	1
Texas, University of	8
Toronto, University of	1
Trinity College	1
Tufts College	5
Tulsa University	1
Union College	6
United States Naval Academy	1
Ursinus College	1
Utah, University of	4
Vanderbilt University	6
Vermont, University of	3
Virginia Polytechnic Institute	2
Virginia, University of	3
Washington University	3
Washington, University of	8
Wellesley College	5
Wesleyan University	2
Western Reserve University	2
Westminster College	1
West Virginia University	2
Wheaton College	1
Whitman College	1
Williams College	10
Wisconsin, University of	4
Wyoming, University of	1
Yale University	22
Youngstown College	1
Total	617
Names counted more than once	106
Total number of students	511
Entered advanced standing	69
Number of colleges represented	176
Number of college graduates	336
Number of non-graduates	175

MEDICAL SCHOOLS REPRESENTED BY MEN WHO ENTERED SCHOOL WITH ADVANCED STANDING

Alabama Medical College	7
Baylor University	1
Boston University	1
California, University of	2
Colorado, University of	1
Columbia University	1
Dartmouth College	12
Emory University	3
Georgetown University	1
Jefferson Medical College	1
Long Island College of Medicine	1
Maryland, University of	1
Minnesota, University of	4
Mississippi, University of	5
Missouri, University of	3
North Carolina, University of	8
North Dakota, University of	1
Northwestern University	2
Stanford University	2
Syracuse University	1
Temple University	1
Texas, University of	2
Tufts College	2
Vanderbilt University	1
Virginia, University of	3
Washington University	1
West Virginia University	1
Total	69
Total number of men admitted to advanced standing	69
Total number of men admitted to first year standing	442
Total	511

SCHOOL OF DENTAL MEDICINE

On June 10, 1948, Fourteen Degrees were Conferred as Follows:

D.M.D.

Bilodeau, Leonard Nolet, s.b. (*Providence Coll.*) 1944.
Blumberg, Mark Stuart.
Briggs, Leon Royden, Jr., s.b. 1944 (1943).
Caul, Edward Henry.
Clifton, Robert Howarth.
DiDominico, Victor Philip, s.b. (*Brown Univ.*) 1942.
Gravellese, Joseph Angelo.
Hoffman, John William.
Jenkins, Howard Hall.
Mahoney, Edward Aloysius, Jr.
Moore, Lawrence Terence.
Morel, Arnold Stephen, s.b. (*St. John's Univ.*) 1942.
Swanson, Lennard.
Sweet, Paul LeBaron.

1948–1949

FOURTH CLASS

§Ammenwerth, Benjamin Kenneth (*Hofstra Coll.* and *Harvard Univ.*). *Bellerose, N. Y.*
Bikoff, David Marvin, s.b. (*Univ. of Michigan*) 1945. *Brooklyn, N. Y.*
Bryan, James Elliott, a.b. (*Wesleyan Univ.*) 1946. *Bridgeport, Conn.*
‡Ehrlich, Harold Louis, Jr. (*Emory Univ.*). *Brooklyn, N. Y.*
Hoye, Stephen Joseph, a.b. (*Dartmouth Coll.*) 1945. *East Detroit, Mich.*
†Hutto, James Foy (*Massachusetts Inst. of Technology*). *Andalusia, Ala.*
†Plum, George Elwood (*West Virginia Univ.* and *Univ. of Virginia*). *Tunnelton, W. Va.*
Schonfeld, Murry David, s.b. (*Ohio State Univ.*) 1944. *Columbus, Ohio*
*Sills, Robert A, a.b. (*Univ. of Illinois*) 1941, s.b. (*ibid.*) 1942, [m.d. (*ibid.*) 1944.] *Chicago, Ill.*
*Winnard, Keith Edwin, b.a. (*Univ. of Vienna*) 1934 [Univ. of Vienna Medical School]. *Cambridge*

† Admitted on basis of two years' college work.
‡ Admitted on basis of three years' college work
§ Admitted on basis of four years' college work (in several cases, work for degree completed).
* Transferred to third year class.

THIRD CLASS

Boyers, Charles Leslie, Jr., A.B. (*Marietta Coll.*) 1941. *Parkersburg, W. Va.*
Butler, Richard Lundy, A.B. (*Coe Coll.*) 1947. *Eldora, Iowa*
Christman, George, S.B. 1944, S.B. (*New York Univ.*) 1946. *Belmont*
‡Feldman, Merrill Irving (*Univ. of New Hampshire* and *Harvard Univ.*). *Brighton*
Kite, Owen William, A.B. 1942. *Trenton, N. J.*
Lorber, Mortimer, S.B. (*New York Univ.*) 1945. *New York, N. Y.*
‡Reilly, Philip Augustus, Jr. (*Harvard Coll.*). *Catskill, N. Y.*
Reiner, Eugene Jakob, A.B. (*Univ. of Virginia*) 1940. *West Hartford, Conn.*
†Sowles, James Austin (*Bowdoin Coll.*). *Wellesley Hills*
*Washburn, Wesley Wallace, Jr., A.B. (*Amherst Coll.*) 1945 [M.D. *Long Coll. of Med.* 1948]. *Brooklyn, N. Y.*
West, Alvin Irvin, A.B. (*New York Univ.*) 1946. *New York, N. Y.*

SECOND CLASS

Allen, Charles Sumner, S.B. (*Mankato State Teachers Coll.*) 1941. *Mankato, Minn.*
†Bland, George Ballard (*Univ. of Arizona*). *Tucson, Ariz.*
†Chastanet, Alan Arthur (*Howard Univ.*). *St. Lucia, B.W.I.*
Curtin, Victor Thomas, A.B. 1947. *Methuen*
‡Farrell, David Joseph (*Tufts Coll.* and *Harvard Coll.*). *Watertown*
Farrell, John Frederick, A.B. (*Indiana Univ.*) 1947. *Washington, D. C.*
Helfand, Zolman, S.B. (*Tufts Coll.*) 1947. *Milford*
Hinson, Harry Lee, S.B. (*Wake Forest Coll.*) 1942. *Charlotte, N. C.*
†Jones, Thomas London, Jr. (*Univ. of Vermont* and *Washington Univ.*). *Detroit, Mich.*
Lucas, Jason Edward, A.B. 1947. *Boston*
†Malone, Robert Paul (*Tufts Coll.*). *Arlington*
Rohde, Karl Lee, Jr., S.B. 1947. *Cambridge*
Samaha, Emile Charles Abdelnour, S.B. (*Univ. of New Hampshire*) 1946. *Plymouth, N. H.*
Schwartz, Abraham, A.B. (*Brown Univ.*) 1941. *Providence, R. I.*
†Theus, Walter Wyman (*Univ. of South Carolina*). *Estill, S. C.*

FIRST CLASS

Abramson, Herbert, A.B. (*New York Univ.*) 1947, A.M. (*Duke Univ.*) 1948. *Flushing, N. Y.*
Berman, Herbert, B.S.E. (*Univ. of Michigan*) 1943. *Union, N. J.*
Boyett, James Edward, A.B. (*Univ. of Tennessee*) 1948. *Waycross, Ga.*
Donovan, William Charles, A.B. (*Williams Coll.*) 1943. *Norwood*
‡Jacobs, Bernard (*Syracuse Univ.*). *Syracuse, N. Y.*

Lasher, Clarence Kenneth, S.B. (*Union Coll.*) 1942. *Greenbush, N. Y.*
‡Lincoln, Robert Carling (*Columbia Univ.*). *Bayonne, N. J.*
Pincus, Ernest Stanford, S.B. (*Union Coll.*) 1948. *Long Beach, N. Y.*
Rothblatt, Julian Maurice, A.B. 1948. *Brookline*
Ryan, James Patrick, S.B. (*Hobart Coll.*) 1948. *Mechanicville, N. Y.*
Ship, Arthur George, A.B. (*New York Univ.*) 1947. *Bronx, N. Y.*
†Stemmer, August Ludwig (*Miami Univ.*). *Hamilton, Ohio*

SUMMARY

Fourth Class	10
Third Class	11
Second Class	15
First Class	12
Total	48

COLLEGES REPRESENTED

Amherst College	1
Arizona, University of	1
Bowdoin College	1
Brown University	1
Coe College	1
Columbia University	1
Dartmouth College	1
Duke University	1
Emory University	1
Harvard University	9
Hobart College	1
Hofstra College	1
Howard University	1
Illinois, University of	1
Indiana University	1
Mankato State Teachers College	1
Marietta College	1
Massachusetts Institute of Technology	1
Miami University (Ohio)	1
Michigan, University of	2
New Hampshire, University of	2
New York University	5
Ohio State University	1
South Carolina, University of	1
Syracuse University	1
Tennessee, University of	1
Tufts College	3
Union College	2
Vermont, University of	1
Vienna, University of (Austria)	1
Virginia, University of	2
Wake Forest College	1
Washington University	1
Wesleyan University	1
West Virginia University	1
Williams College	2
	55
Counted more than once	7
Total	48
Number of colleges represented	36
Number of college graduates	32
Number of non-graduates	16

MEDICAL SCHOOLS REPRESENTED BY MEN WHO ENTERED THE SCHOOL WITH ADVANCED STANDING

Illinois, University of	1
Long Island College of Medicine	1
Vienna, University of (Austria)	1
Total	3

Total number of men admitted to advanced standing	3
Total number of men admitted to first year standing	45
Total	48

REGISTRATION

September 26, 1949 – June 22, 1950

FIRST YEAR

FIRST HALF YEAR *

SEPTEMBER 26, 1949 — JANUARY 28, 1950 (*All dates inclusive*)

HOUR	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9–1	Anatomy	Histology	Anatomy	Histology	Histology	Voluntary Clinics
2–5	Anatomy	Histology	Anatomy	Histology	Anatomy	

* All exercises in Building B.

SECOND HALF YEAR †

JANUARY 30 — MAY 27, 1950 (*All dates inclusive*)

9–1	Physiology	Biological Chemistry	Physiology	Biological Chemistry	Physiology Lecture and Conference (April 28–May 27) 11:30–12:30 Medical Psychology (B.P.H. Assembly Hall)	Biological Chemistry Lecture and Conference (April 28–May 27) 11:30–12:30 Medical Psychology (B.P.H. Assembly Hall)
2–5	Physiology	Biological Chemistry	Physiology	Biological Chemistry	Voluntary Courses	

† All exercises in Building C, except Medical Psychology.

Examination Period: May 29–June 3

Vacations: Dec. 23–Jan. 4
April 16–23

Holidays: Oct. 12
Nov. 11
Nov. 24
Feb. 22
Apr. 19
May 30

SEPTEMBER 26, 1949 — MAY 27, 1950 (*All dates inclusive*)

Dates	Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			A.M.				
Sept. 26–Jan. 28 (16 weeks)	9–10	Pathology (Bldg. D)	Pharmacology Pharmacology (½ *Class–Alt. Weekly*) Sept. 27–Nov. 19 Jan. 3–28 (Bldg. E) Parasitology Nov. 22–Dec. 22 (Bldg. D)	Pathology (Bldg. D)	Pharmacology Pharmacology (½ *Class–Alt. Weekly*) Sept. 27–Nov. 19 Jan. 3–28 (Bldg. E) Parasitology Nov. 22–Dec. 22 (Bldg. D)	Pathology (Bldg. D)	Pharmacology Pharmacology (½ *Class–Alt. Weekly*) Sept. 27–Nov. 19 Jan. 3–28 (Bldg. E) Parasitology Nov. 22–Dec. 22 (Bldg. D)
	10–12.30						
	12.30–1						
Jan. 30–May 27 (16 weeks)	8.30–9.30	Pathology Jan. 30–Apr. 7 10 weeks	Medicine *	Pathology Jan. 30–Apr. 7 10 weeks	Surgery *	Pathology Jan. 30–Apr. 7 10 weeks	Medicine *
	9.30–10	Neuropathology Apr. 17–May 26 6 weeks (Bldg. D)		Neuropathology Apr. 17–May 26 6 weeks (Bldg. D)		Neuropathology Apr. 17–May 26 6 weeks (Bldg. D)	
	10–11.30		Div. A: Med. (Phys. Diag.) Div. B: Surgery		Div. B: Med. (Phys. Diag.) Div. A: Surgery		Div. A: Med. (Phys. Diag.) Div. B: Surgery
	11.30–12		*Divisions Alternate Weekly*		*Divisions Alternate Weekly*		*Divisions Alternate Weekly*
	12–1	Medicine *		Neurology Feb. 1–Apr. 26† Pyschiatry May 3–24 ‡		Medicine *	
			P.M.				
Sept. 26–Jan. 28	2–5	Bacteriology (Bldg. D)		Bacteriology (Bldg. D)		Bacteriology (Bldg. D)	
Jan. 30–Apr. 29 (12 weeks)	2–3	Pharmacology (Amph. E)		Pharmacology (Amph. E)		Pharmacology (Amph. E)	
	3–5	Medicine: Laboratory Diagnosis (Bldg. D)		Medicine: Laboratory Diagnosis (Bldg. D)		Medicine: Laboratory Diagnosis (Bldg. D)	
May 1–May 27 (4 weeks)	2–3	Obstetrics (Amph. D)		Obstetrics (Amph. D)		Obstetrics (Amph. D)	
	3–5	Medicine: Laboratory Diagnosis (Bldg. D)		Medicine: Laboratory Diagnosis (Bldg. D)		Medicine: Laboratory Diagnosis (Bldg. D)	

† Feb. 1–Mar. 8 B.C.H. Dowling Building Amphitheatre; Mar. 15–Apr. 26 M.G.H. LOPA
‡ B.P.H. Library Lobby
* See mimeographed schedule for place of meeting.

Examination Period: May 29–June 3

Holidays: *Oct. 12, Nov. 11 Nov. 24, Feb. 22 April 19, May 30*
Vacations: *Dec. 23–Jan. 4*

THIRD YEAR

September 26, 1949 — June 3, 1950

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8.30–9.30	Lecture	Lecture	Lecture	Lecture	Lecture	Lecture
10–1	⅓ of Class: I. Medicine II. Med. Spec.* ⅓ of Class: I. Surgery II. Surg. Spec.† ⅓ of Class: A { Pediatrics, Orthopaedic Surgery B { Obstetrics §, Otology, Ophthalmology	⅓ of Class: I. Med. Spec.* II. Medicine ⅓ of Class: I. Surg. Spec.† II. Surgery ⅓ of Class: A { Pediatrics, Orthopaedic Surgery B { Obstetrics §, Otology, Ophthalmology	⅓ of Class: I. Medicine II. Med. Spec.* ⅓ of Class: I. Surgery II. Surg. Spec.† ⅓ of Class: A { Pediatrics, Orthopaedic Surgery B { Obstetrics §, Otology, Ophthalmology	⅓ of Class: I. Med. Spec.* II. Medicine ⅓ of Class: I. Surg. Spec.† II. Surgery ⅓ of Class: A { Pediatrics, Orthopaedic Surgery B { Obstetrics §, Otology, Ophthalmology	⅓ of Class: I. Medicine II. Med Spec.* ⅓ of Class: I. Surgery II. Surg. Spec.† ⅓ of Class: A { Pediatrics, Orthopaedic Surgery B { Obstetrics §, Otology, Ophthalmology	⅓ of Class: I. Med. Spec.* II. Medicine ⅓ of Class: I. Surg. Spec.† II. Surgery ⅓ of Class: A { Pediatrics, Orthopaedic Surgery B { Obstetrics §, Otology, Ophthalmology
2–5	⅓ of Class: Medicine ⅓ of Class: Surgery ⅓ of Class: { Pediatrics, Orthopaedic Surgery	FREE	⅓ of Class: Medicine ⅓ of Class: Surgery ⅓ of Class: { Pediatrics, Orthopaedic Surgery	FREE	Lecture Preventive Medicine 2–5 (Oct. 14–Jan. 20) Legal Medicine 4.15–5.15	FREE

* Med. Spec. = Neurology, Psychiatry, Dermatology. † Surg. Spec. = Genito-Urinary Surgery, Gynaecology, Laryngology.

§ For this course the students are assigned to one of the districts of the B.L.I. and are on duty twenty-four hours a day for a period of ten or eleven days. The Class is divided into thirds and the Medical and Surgical thirds are made up of two groups:

Group I. — Having Medicine (or Surgery) on Mondays, Wednesdays and Fridays and the Medical (or Surgical) specialties on Tuesdays, Thursdays and Saturdays.

Group II. — Having Medicine (or Surgery) on Tuesdays, Thursdays and Saturdays and the Medical (or Surgical) specialties on Mondays, Wednesdays and Fridays.

The Third having Pediatrics, etc., is made up of Divisions A and B. These Divisions interchange every 32 days.

The thirds interchange every 64 days.

Vacations: Dec. 23–Jan. 4
April 16–23

Holidays: Oct. 12, Nov. 11, Nov. 24, Feb. 22, April 19, May 30.

FOURTH YEAR

SEPTEMBER 26, 1949 — JUNE 22, 1950

(Each block represents one month. Order of subjects variable.)

	1	2	3	4
MORNING / AFTERNOON	Medicine C1, C2, C3*, or C4*	Medicine C1, C2, C3*, or C4*	Surgery C1, C3, or C4*	Surgery C1, C3, or C4*
	5	**6**	**7**	**8**
MORNING / AFTERNOON	Obstetrics C1	Pediatrics C1 or C2	Psychiatry C1, C2, or C3	Elective

In addition to the eight months' required work, each student may elect courses for three additional months by anticipating work during the summer months.

* October to May.

On June 23, 1949, One Hundred and Forty-One Degrees were Conferred as Follows:

M.D.

John Terence Alexander.
Waddell Barnes.
Taufick Elias Bendeck.
Bradley Bigelow, A.B., 1944 (1943).
William H Birchard.
Euan True Blanch.
Aaron Blauer.
Delbert Emroy Boblitt.
Edward Hooper Bowen, Jr.
Ralph DeRochemont Brackett, A.B. (*Dartmouth College*) 1946.
Theodore Brifman.
Paul Marvin Brown, S.B. (*Univ. of Oregon*) 1946.
Louis DeLoach Browning, Jr.
John Martin Rutherford Bruner.
Martha Joan Kern Caires, A.B. (*Radcliffe College*) 1945.
Guy Douglas Campbell, S.B. (*Univ. of Mississippi*) 1946.
Donald Roger Chadwick.
James Spencer Cheatham.
Sam Lillard Clark, Jr.
Raquel Eidelman Cohen, B.SC. (*Univ. of San Marcos*) 1943, M.P.H. 1944.
Harold Collings, Jr.
George Daniel Copeland, S.B. (*Univ. of Mississippi*) 1946.
William Peter Corvese, A.B. (*Brown Univ.*) 1946.
Douglas Victor Crook.
Stanley Walter Daum.
Henry Leon Dean.
J C Dotson, S.B. 1946 (1945).
William Stephen Downey, Jr.
Charles Louis Easterday.
John Louis Eicholz, Jr.
Gerald Harold Eurman, A.B. (*Montclair State Teachers College*) 1942.
James Albert Fallows.
Jerome Ferber.
Luis Fernandez-Herlihy.
Charles Mysel Finbury, D.M.D. 1947.
Claude Jean Joseph Finney, A.B. (*Vanderbilt Univ.*) 1946.
Robert Flanders, Jr., A.B. (*Dartmouth College*) 1946.

Marsden Elwood Fox.
Louis Henry Frische, Jr.
Donald Lewis Fry.
James Basil Gabriel, A.B. (*Brown Univ.*) 1945.
Shirley Marilyn Gallup, A.B. (*Brown Univ.*) 1945.
Robert Byron Giles, Jr., A.B. (*Dartmouth College*) 1942.
Marcia Laura Gordon, A.B. (*Radcliffe College*) 1945.
David Nelson Grey.
Robert Charles Griggs.
Gilbert Louis Gross, A.B. (*Washington Univ.*) 1943.
Aubrey Russell Harris, A.B. (*Univ. of Mississippi*) 1938.
Sherman Walter Hartman, B.AERO.E. (*Univ. of Minnesota*) 1943.
Henry Stimson Harvey, A.B. (*Amherst College*) 1938, B.D. (*Union Theological Seminary*) 1943.
Joseph Albert Hawkins.
John Stephen Haynes, B.E. (*North Carolina State College*) 1940, S.B. (*Univ. of Chicago*) 1945.
Chester Edgar Herrod.
Roger Baldwin Hickler.
Fritz Milton Gilbert Holmstrom.
Melvin Horwitz, A.B. (*Columbia Univ.*) 1945.
Edwin Marshall Hubbard.
Ralph William Jacobs.
Jesse Herbert Jampol.
Louis Fingal Johnson, Jr., S.B. (*Massachusetts State College*) 1940.
John Louis Juergens, S.B. (*Univ. of Minnesota*) 1946.
Jacob Katz, A.B. (*Univ. of Vermont*) 1944.
Charles Nicholas Kavanaugh, Jr.
John Wilbur Keller, A.B. 1941 (1946).
John Hines Kennedy.
Marjorie Jane Kirk, A.B. (*Bryn Mawr College*) 1943, A.M. (*Radcliffe College*) 1944.
Maurice Noel Levy, Jr., A.B. (*Dartmouth College*) 1946.
Herbert Boyajian Locksley, A.B. (*Swarthmore College*) 1943.
Thomas Oliver Lohr.
Robert Douglas Lyons, A.B. and S.B. (*Southern Methodist Univ.*) 1945.
Frederick David Malkinson, D.M.D. 1947.
Victor Adolfo Marcial, S.B. (*Univ. of Puerto Rico*) 1944.
Lester Warren Martin, S.B. (*Univ. of Missouri*) 1944.
LeRoy William Matthews.
Charles William Merten.
John Fielding Morrissey, A.B. (*Dartmouth College*) 1946.
Carl Kreimer Needy, A.B. 1947 (1946).

James Denhart Niebel, A.B. (*Stanford Univ.*) 1943.
Donald Oken.
Thomas Keyser Oliver, Jr.
William Reagan Owen.
Lot Bates Page.
Thomas Gooch Parker.
Erle Ewart Peacock, Jr.
Frederick Arthur Peirce, Jr., A.B. 1947.
Richard Lacey Perry.
Alan Wesley Petit, A.B. 1941 (1942).
Robert Harmon Puite.
John Birckhead Reardon.
John Reynolds.
Francis James Riley.
Peter Gilman Robbins.
Leonard Jay Robinson, S.B. (*New York Univ.*) 1946.
Robert Clare Rood.
William Ogg Smith.
Rublee Clark Soule.
William Lawrence Sprout, A.B. 1947.
Raymond James Starrels, A.B. (*Swarthmore College*) 1946.
John Dunham States, A.B. (*Univ. of Rochester*) 1947.
Grant Duane Stelter, S.B. (*Univ. of Wisconsin*) 1947, S.M. (*ibid.*) 1948.
Edith Louise Stone, A.B. (*Smith College*) 1943.
August George Swanson.
Harold Irwin Tarpley, Jr.
Edith Schwartz Taylor, S.B. (*Radcliffe College*) 1945.
JoAnn Tanner Taylor.
Richard Henry Thurm, S.B. 1946 (1945).
Daniel Charles Tosteson.
John Mason Tyler, A.B. (*Univ. of Minnesota*) 1943.
Eugene Morgan Vigneron, Jr.
Richmond Lee Walton, A.B. (*Drew Univ.*) 1944.
Warren Burke Weil.
Charles Howard Wells.
Frank Cunningham Wilson, Jr.
William Edward Winn, Jr.
Ladislas Dolores Wojcik, S.B. (*Simmons College*) 1940.
Stanley Jay Wolfe.
Walter Brewster Wolfe.
Warren Joseph Wonka, A.B. (*Columbia Univ.*) 1944.
James Edwin Wood, 3d.
Roger Howard Wright, A.B. (*Miami Univ.*) 1945.

M.D. *cum Laude* for Thesis in Special Field

Dora Benedict Goldstein.
Clare Kent Marshall, A.B. (*Barnard College*) 1944.

M.D. *cum Laude*

James Norman Allen.
Doris Ruth Bennett, A.B. (*Wellesley College*) 1944.
Raymond Prescott Collins, A.B. 1947 (1945).
Adolf Loftsgaard Gundersen.
Albert Frank Hendler.
Walter Irvin Hume, Jr., A.B. (*Williams College*) 1946.
James Harriman Jandl, S.B. (*Franklin and Marshall College*) 1945.
Edward Joseph Leonard.
Paul Ranney McCurdy, A.B. (*Wesleyan Univ.*) 1946.
John Dorsey Pitts.
Alexander Rich, A.B. 1947.
Robb Howard Rutledge.
Guillermo Cornelio Sánchez, A.B. 1946 (1945).
Gordon Mayer Tomkins, A.B. (*Univ. of California at Los Angeles*) 1945.

M.D. *Magna cum Laude*

William Francis Ganong, A.B. 1946.
Robert Sirkosky Gordon, Jr., A.B. 1947.
Thomas Christopher Hall.
Thompson Townsend Rawls, S.B. (*Southwestern Louisiana Inst.*) 1945.
Joseph Stokes, 3d.

MEDICAL SCHOOL

1949–1950

FOURTH CLASS

Achenbach, Hartwig, S.B. (*Univ. of Florida*) 1943. *Orlando, Fla.*
Aisenberg, Alan Clifford, S.B. 1946 (1945). *New York, N. Y.*
‡Allen, Richard Herbert (*Dartmouth Coll.*). *Janesville, Wis.*
Applegarth, Adrienne Patricia, A.B. (*Univ. of California*) 1946. *San Francisco, Calif.*
†Atherton, Eugene Ronald (*Johns Hopkins Univ.* and *Princeton Univ.*). *Washington, D. C.*

† Admitted on basis of two years' college work.
‡ Admitted on basis of three years' college work.
§ Admitted on basis of four years' college work (in several cases work for the degree completed).
* Transferred to third year class.
¶ Transferred to third year class from Harvard School of Dental Medicine.

*Aycock, Robert Ray, S.B. (*Univ. of North Carolina*) 1947 [Univ. of North Carolina Medical School]. *Fremont, N. C.*

Babbitt, Rayma Lucille, S.B. (*Univ. of Arizona*) 1946. *Flagstaff, Ariz.*

*‡Batts, Elmer Earle (*Univ. of Miami*) [Univ. of North Carolina Medical School]. *Wilson, N. C.*

Bell, Edgar Dawson, Jr., A.B. (*Haverford Coll.*) 1942. *Ingomar, Pa.*

Berlow, Stanley, A.B. (*Univ. of Michigan*) 1941, A.M. (*Harvard Univ.*) 1942. *New York, N. Y.*

Bloomingdale, Lewis Morgan, S.B. (*Yale Univ.*) 1940, E.B. (*ibid.*) 1941. *Scarsdale, N. Y.*

¶†Blumberg, Mark Stuart (*Johns Hopkins Univ.* and *Harvard Univ.*) D.M.D. 1948. *New York, N. Y.*

Borg, Donald Cecil, S.B. 1947 (1946). *Scarsdale, N. Y.*

‡Bower, Robert (*Harvard Univ.*, *Washington Univ.*, and *Univ. of Pennsylvania*). *Wyncote, Pa.*

Brand, Eugene Dew, A.B. (*Univ. of Virginia*) 1944. *Houston, Texas*

Brennan, John Thomas, Jr., S.B. (*Coll. of the Holy Cross*) 1947. *Brooklyn, N. Y.*

¶Briggs, Leon Royden, Jr., S.B. 1944 (1943), D.M.D. 1948. *San Diego, Calif.*

‡Brittingham, Thomas Evans (*Princeton Univ.* and *Texas Christian Univ.*). *Fort Worth, Texas*

Broadaway, Rufus Keene, S.B. (*Tufts Coll.*) 1946. *Waltham*

*Brown, Cyrus Cathey, Jr., A.B. (*Dartmouth Coll.*) 1947 [Dartmouth Medical School]. *Fayetteville, Ark.*

*Burnum, John Francis, S.B. (*Univ. of Alabama*) 1946 [Univ. of Alabama Medical School]. *Tuscaloosa, Ala.*

Burroughs, John Townsend, A.B. (*Brown Univ.*) 1946. *Akron, Ohio*

¶†Caul, Edward Henry (*Johns Hopkins Univ.* and *Harvard Univ.*), D.M.D. 1948. *Middlesex, N. J.*

Christie, William Edward, Jr., A.B. (*Boston Coll.*) 1943. *Rockland*

¶‡Clifton, Robert Howarth, A.B. (*Dartmouth Coll.*) 1945, D.M.D. 1948. *Fall River*

Coe, Robert Campbell, S.B. (*Univ. of Washington*) 1940. *Seattle, Wash.*

Colman, Edward Leonard, 2d, A.B. (*Yale Univ.*) 1942. *Minneapolis, Minn.*

Coulter, Norman Arthur, Jr., S.B. (*Virginia Polytechnic Inst.*) 1941. *Harrisburg, Pa.*

Creedon, Richard Joseph, A.B. 1946 (1945). *Fords, N. J.*

Cronkhite, Leonard Wolsey, Jr., A.B. (*Bowdoin Coll.*) 1941 (1946). *Cambridge*

Cummins, James Francis, 3d, S.B. (*Univ. of Illinois*) 1942, S.M. (*ibid.*) 1946. *Olney, Ill.*

*†Dalton, John Caulfield (*Univ. of Virginia*) [Univ. of Virginia Medical School]. *Norfolk, Va.*

*Dampeer, John Oscar, Jr., S.B. (*Univ. of Mississippi*) 1947 [Univ. of Mississippi School of Medicine]. *Summit, Miss.*
Davies, Frederick McAllister, S.B. (*Tufts Coll.*) 1946. *Waltham*
Davis, Evelyn, A.B. (*Radcliffe Coll.*) 1939, A.M. (*Simmons Coll.*) 1944. *Brookline*
¶DiDomencio, Victor Phillip, S.B. (*Brown Univ.*) 1942, D.M.D. 1948. *Newton*
Ducey, James Edward, S.B. (*Univ. of Pittsburgh*) 1946. *Sewickley, Pa.*
‡Eaton, John Harold (*Univ. of California*). *Rivera, Calif.*
‡Egdahl, Richard Harrison (*Dartmouth Coll.*). *Eau Claire, Wis.*
Eisner, Victor, A.B. (*Stanford Univ.*) 1946. *San Francisco, Calif.*
§Elder, Lindsey Thomas, Jr. (*Univ. of Texas*). *Garden Valley, Texas*
‡Estes, Hilliard Donald (*Univ. of Kansas*). *Montgomery, Ala.*
‡Feldmann, Robert John (*Univ. of Wisconsin*). *Glenview, Ill.*
Field, Richard Allan, A.B. 1943 (1942). *Chicago, Ill.*
Ford, Amasa Brooks, A.B. (*Yale Univ.*) 1944 (1943). *Shaker Heights, Ohio*
Frank, Howard David, S.B. (*Univ. of Vermont*) 1947. *Burlington, Vt.*
Gair, Donald Saul, S.B. 1945. *New York, N. Y.*
Gale, Arnold Sidney, A.B. 1940. *Allston*
*Garran, Frank Warren, Jr., A.B. (*Dartmouth Coll.*) 1947 [Dartmouth Medical School]. *Hanover, N. H.*
*Garry, John, A.B. (*Dartmouth Coll.*) 1947 [Dartmouth Medical School]. *Lawrence*
Gelman, Renée, A.B. (*Hunter Coll.*) 1945. *New York, N. Y.*
Glimcher, Melvin Jacob, S.B. (*Purdue Univ.*) 1946, B.S.M.E. (*ibid.*) 1946. *Chelsea*
Goldblatt, Julius Eli, S.B. (*Tufts Coll.*) 1941. *Lawrence*
Graham, Kenneth Merle, A.B. (*Allegheny Coll.*) 1941, A.M. (*Univ. of Illinois*) 1942. *Meadville, Pa.*
*Hagerman, Dwain Douglas, A.B. (*Univ. of Colorado*) 1945, S.M. (*ibid.*) 1948 [Univ. of Colorado Medical School]. *Idaho Springs, Colo.*
Hannas, Ralston Raymond, Jr., S.B. (*Purdue Univ.*) 1939. *Western Springs, Ill.*
†Hayes, Thomas Bartholomew (*Emory Univ.*). *North Andover*
Head, John Morrison, A.B. (*Univ. of Missouri*) 1946. *Columbia, Mo.*
*Hoeg, Dwight Carroll, A.B. (*Univ. of Minnesota*) 1947, S.B. (*ibid.*) 1948 [Univ. of Minnesota Medical School]. *Lake View, Iowa*
¶†Hoffman, John William (*River Falls State Teachers' Coll.* and *Middlebury Coll.*), D.M.D. 1948. *Cumberland, Wis.*
Hollander, Walter, Jr., S.B. (*Haverford Coll.*) 1943. *Baltimore, Md.*
Ireton, Richard Johnson, A.B. (*Ohio State Univ.*) 1946. *Van Wert, Ohio*
‡Isselbacher, Kurt Julius (*Harvard Univ.*). *Portsmouth, N. H.*
‡Kramer, John Charles (*Univ. of Oklahoma, Johns Hopkins Univ.*, and *George Washington Univ.*). *Tulsa, Okla.*

Kriete, Bertrand Carl, A.B. (*DePauw Univ.*) 1937. *Cincinnati, Ohio*
‡Lance, Richard Victor (*Univ. of Washington* and *South Dakota School of Mines*). *Bothell, Wash.*
‡Lane, Frank Wesley, Jr. (*Cambridge Jr. Coll.* and *Harvard Univ.*). *Waltham*
Laster, Leonard, A.B. 1948 (1949). *New York, N. Y.*
‡Lear, Arnold Albert (*New York Univ.*). *Long Island City, N. Y.*
Lee, Feung Bok, S.B. (*Oregon State Coll.*) 1942. *Corvallis, Ore.*
*Levin, Sheldon Marvin, A.B. (*Univ. of California*) 1943 [Univ. of Southern California School of Medicine]. *Los Angeles, Calif.*
Liva, Edward Louis, S.B. 1947 (1946). *Lyndhurst, N. J.*
Logan, William Bryant, Jr., S.B. (*Yale Univ.*) 1946. *Greenwich, Conn.*
*Lovelace, John Rupert, S.B. (*Mississippi State Coll.*) 1947 [Univ. of Mississippi School of Medicine]. *Batesville, Miss.*
Lusted, Lee Browning, A.B. (*Cornell Coll.*) 1943. *Cambridge*
*Lyon, George Adair, A.B. (*Dartmouth Coll.*) 1947 [Dartmouth Medical School]. *Hanover, N. H.*
*Mabe, Robert Edgar, S.B. (*Univ. of North Carolina*) 1947 [Univ. of North Carolina Medical School]. *Asheboro, N. C.*
Macomber, Peter Browne, A.B. (*Bowdoin Coll.*) 1947. *Brunswick, Maine*
¶†Mahoney, Edward Aloysius, Jr. (*Harvard Univ.*), D.M.D. 1948. *Newtonville*
Mandelstam, Paul, A.B. 1945 (1944), A.M. 1946. *Jamaica Plain*
‡Margulis, Alexander (*Univ. of Belgrade*). *Belgrade, Yugoslavia*
*McNeely, William Fennell, S.B. (*Univ. of North Carolina*) 1947 [Univ. of North Carolina Medical School]. *Greensboro, N. C.*
Merryfield, Lloyd William, S.B. (*California Inst. of Technology*) 1942, S.M. (*ibid.*) 1943. *Compton, Calif.*
‡Miller, William Paul (*Univ. of Washington*). *Bremerton, Wash.*
Minot, Henry Davis, Jr., A.B. 1940 (1941). *Boston*
Mitchell, Avard Marion, S.B. (*Mount Union Coll.*) 1941, S.M. (*Purdue Univ.*) 1943, PH.D. (*ibid.*) 1947. *Canton, Ohio*
‡Moldawer, Marc P (*Univ. of Pennsylvania* and *Harvard Univ.*). *Philadelphia, Pa.*
¶‡Moore, Lawrence Terence (*Gonzaga Univ.*), D.M.D. 1948. *Tacoma, Wash.*
‡Mora Castañeda, Federico (*Univ. of Guatemala* and *Harvard Univ.*). *Guatemala, C. A.*
¶Morel, Arnold Stephen, S.B. (*St. John's Univ.*) 1942, D.M.D. 1948. *Brooklyn, N. Y.*
Morrison, Robert Stier, A.B. (*Univ. of Missouri*) 1946. *Lexington, Mo.*
O'Meara, Maurice Patrick, S.B. (*Tufts Coll.*) 1946. *West DePere, Wis.*

Owens, Guy, S.B. (*Tufts Coll.*) 1946. *Amarillo, Texas*
Parks, John Hulbert, A.B. (*Dartmouth Coll.*) 1946. *Los Angeles, Calif.*
Patterson, William Bradford, A.B. 1943 (1942). *W. Hartford, Conn.*
*Pernokas, Louis Nicholas, A.B. (*Dartmouth Coll.*) 1947 [Dartmouth Medical School]. *South Boston*
Petty, Charles Sutherland, S.B. (*Univ. of Washington*) 1941, S.M. (*ibid.*) 1946. *Seattle, Wash.*
*Piatt, Edward Donn, Jr. (*Louisiana Polytechnic Inst.*) [Univ. of Alabama Medical School]. *Ruston, La.*
Pikula, John Vernon, S.B. (*Univ. of Florida*) 1941. *Fernandina, Fla.*
Powell, Marvin Julius, S.B. 1947 (1946). *Annawan, Ill.*
‡Proudfoot, Warren Harding (*Harvard Univ.*). *Bellington, W. Va.*
Ramirez de Arellano, Alfredo Antonio, S.B. (*Univ. of Puerto Rico*) 1945. *Santurce, Puerto Rico*
Reznick, Leon, A.B. 1946 (1945). *Dorchester*
Richards, William Allen, S.B. 1944 (1943). *Waltham*
‡Robuck, John D, Jr. (*Mesa Jr. Coll.*, *Colorado Coll.*, and *Univ. of California*). *Montrose, Colo.*
Rock, Herbert Gerald, S.B. (*New York State Coll. for Teachers*) 1941. *Plattsburg, N. Y.*
‡Rockwood, Wade (*Harvard Univ.*). *East Aurora, N. Y.*
‡Ross, Merrill Herbert (*Cornell Univ.*). *New York, N. Y.*
Sachs, Marvin Leonard, A.B. (*Yale Univ.*) 1946. *Allentown, Pa.*
Salibi, Bahij Sulayman, B.A. (*American Univ. of Beirut*) 1941, M.A. (*ibid.*) 1944. *Beirut, Lebanon*
*Saunders, Norman Williams, A.B. (*Dartmouth Coll.*) 1947 [Dartmouth Medical School]. *Providence, R. I.*
*Schaupp, Willis Clayton, A.B. (*Stanford Univ.*) 1947 [Stanford Univ. School of Medicine]. *San Francisco, Calif.*
‡Schoenheit, Edward William, Jr. (*Univ. of North Carolina*). *Biltmore, N. C.*
Schwartz, Herman Arthur, S.B. (*Cornell Univ.*) 1941. *New York, N. Y.*
Sears, Kenneth Louis, S.B. (*Univ. of Illinois*) 1940. *Plano, Ill.*
*Shea, Cyril Emmett, Jr., A.B. (*Dartmouth Coll.*) 1947 [Dartmouth Medical School]. *Chicopee Falls*
Sheldon, David Butterfield, S.B. (*California Inst. of Technology*) 1946. *Los Angeles, Calif.*
‡Shields, Daniel Roger (*Harvard Univ.*). *Sugar Grove, Ill.*
*Sissman, Norman Joseph, A.B. (*Dartmouth Coll.*) 1947 [Dartmouth Medical School]. *Pittsburgh, Pa.*
Slingerland, Dorraine Ward, S.B. 1944 (1943). *Pleasantville, N. Y.*
Smythe, Richard Landis, A.B. 1947 (1946). *Indianapolis, Ind.*

*Stewart, Charles Thomas, A.B. (*Stanford Univ.*) 1947 [Stanford Univ. School of Medicine]. *Tacoma, Wash.*

‡Sykes, James Louis (*Pennsylvania State Coll.* and *Youngstown Coll.*). *Savannah, Ga.*

Walker, Kenneth Francis, B.A. (*Univ. of Toronto*) 1946. *Niagara Falls, Ontario, Canada*

*Walker, Thomas English, A.B. (*Davidson Coll.*) 1939, A.M. (*Univ. of North Carolina*) 1941, S.M. (*ibid.*) 1942 [Univ. of North Carolina Medical School]. *Charlotte, N. C.*

White, Roger Ferris, S.B. (*Kansas State Coll.*) 1940, S.M. (*Washington State Coll.*) 1946. *Buda, Ill.*

‡Whitfield, Thomas Japheth, 3d (*Duke Univ.*). *Suffolk, Va.*

*Wilder, Walter Llewellyn, A.B. (*Univ. of Minnesota*) 1947, S.B. (*ibid.*) 1948 [Univ. of Minnesota Medical School]. *Minneapolis, Minn.*

Williams, Thomas Franklin, S.B. (*Univ. of North Carolina*) 1942, A.M. (*Columbia Univ.*) 1943. *Landis, N. C.*

‡Wise, Gordon Francis (*Michigan State Coll.* and *Univ. of Arkansas*). *Ionia, Mich.*

Wolff, Richard, A.B. 1944 (1943). *Brookline*

*Young, Daniel Test, S.B. (*Guilford Coll.*) 1946 [Univ. of North Carolina Medical School]. *Abbeville, S. C.*

THIRD CLASS

‡Aikman, William Oakley (*Univ. of Florida* and *Harvard Coll*). *Cazenovia, N. Y.*

Arnstein, Robert Leo, A.B. (*Yale Univ.*) 1941. *New York, N. Y.*

Arthur, Ransom James, A.B. (*Univ. of California*) 1947. *Eldridge, Calif.*

Atik, Mohammed, A.B. (*Univ. of California*) 1947. *Kabul, Afghanistan*

‡Baker, Lawrence Martin, 3d (*Univ. of Pittsburgh, Washington Univ.*, and *Harvard Coll.*). *Coraopolis, Pa.*

Bell, Ellen Cary, A.B. (*Bryn Mawr Coll.*) 1947. *Haverford, Pa.*

‡Bell, George Alan (*Univ. of Tennessee*). *Chehalis, Wash.*

§Bellis, John Marvin, Jr. (*Coll. of William and Mary*). *Frederick, Md.*

¶‡Bikoff, David Marvin (*Univ. of Vermont* and *Univ. of Michigan*), D.M.D. 1949. *Brooklyn, N. Y.*

§Boomer, Robert Bruce (*Massachusetts Inst. of Technology* and *Univ. of Idaho*). *Payette, Idaho*

† Admitted on basis of two years' college work.
‡ Admitted on basis of three years' college work.
§ Admitted on basis of four years' college work (in several cases work for the degree completed).
° Transferred to second year class.
¶ Transferred to third year class from Harvard School of Dental Medicine.
* Transferred to third year class.

*Bossi, Eugene Edmund, A.B. (*Dartmouth Coll.*) 1948 [Dartmouth Medical School]. *West Roxbury*
Bradshaw, John Schwab, A.B. (*Oberlin Coll.*) 1947. *Oberlin, Ohio*
¶Bryan, James Elliott, A.B. (*Wesleyan Univ.*) 1946, D.M.D. 1949. *Bridgeport, Conn.*
*Bullard, Hoke Vogler, Jr., S.B. (*Univ. of North Carolina*) 1948 [Univ. of North Carolina Medical School]. *Charlotte, N. C.*
*Burke, John Francis, S.B. (*Univ. of Illinois*) 1947 [Univ. of Illinois Medical School]. *Chicago, Ill.*
Burke, Sean Kevin, A.B. (*Williams Coll.*) 1946. *Holyoke*
Cain, Arthur James, A.B. (*Boston Univ.*) 1944, A.M. (*ibid.*) 1947. *Lynn*
Campbell, Joseph Edward, A.B. (*Texas Christian Univ.*) 1947. *Tyler, Texas*
Chaney, Robert Horace, A.B. (*Univ. of California*) 1942. *Lodi, Calif.*
Chapman, Robert Galbraith, A.B. (*Yale Univ.*) 1947. *Colorado Springs, Colo.*
Clapp, Paul, S.B. (*United States Naval Academy*) 1944. *Missoula, Mont.*
*Clark, Theodore Rust, A.B. (*Dartmouth Coll.*) 1948 [Dartmouth Medical School]. *West Newton*
Damon, Albert, A.B. 1938, PH.D. (*Univ. of Chicago*) 1946. *Newton*
Danforth, William Henry, A.B. (*Princeton Univ.*) 1947. *Clayton, Mo.*
Davis, Robert Paul, A.B. 1947. *Dorchester*
‡Dawson, Jean Patricia (*Univ. of California*). *Berkeley, Calif.*
*DeForest, Robert Elliott, A.B. (*Dartmouth Coll.*) 1948 [Dartmouth Medical School]. *Burlington, Vt.*
DiRaimondo, Vincent Charles, S.B. (*Beloit Coll.*) 1943, S.M. (*Univ. of Wisconsin*) 1944. *Rockford, Ill.*
Dreyfus, Edward Goulston, A.B. 1940. *Boston*
Early, Robert Lawrence, S.B. (*Michigan State Coll.*) 1943. *Lansing, Mich.*
°Efron, Mary Louise, A.B. (*Barnard Coll.*) 1947 [Columbia Univ. Coll. of Physicians and Surgeons]. *Elmhurst, Long Island, N. Y.*
Ellison, Arthur Ellsworth, 3d, A.B. (*Williams Coll.*) 1946. *Richmond, Va.*
Elser, Otto Helmut, A.B. (*New York Univ.*) 1942. *Independence, Mo.*
*Fahey, John Leslie (*John Carroll Univ.* and *Ohio State Univ.*) [Wayne Univ. Coll. of Medicine]. *Cleveland Heights, Ohio*
Fernald, Willard Barker, A.B. (*Brown Univ.*) 1947. *Upper Montclair, N. J.*
‡Field, James Bernard (*Harvard Coll.*). *Fort Wayne, Ind.*
Fischbein, Jerome Wollison, A.B. 1947. *East Orange, N. J.*
*Fordham, Christopher Columbus, 3d (*Univ. of North Carolina*) [Univ. of North Carolina Medical School]. *Greensboro, N. C.*
‡Foster, Gerald Sidney (*Allegheny Coll.*). *Pittsburgh, Pa.*
Fraser, Glendon Chisholm, S.B. (*Western Reserve Univ.*) 1947. *South Euclid, Ohio*

*Fromm, Stephen Robert, S.B. (*Indiana Univ.*) 1948 [Indiana Univ. Medical School]. *New York, N. Y.*
‡Frothingham, Thomas Eliot (*Harvard Coll.*). *Boston*
‡Galdston, Richard (*Univ. of Wisconsin* and *Univ. of Chicago*). *Brooklyn, N. Y.*
‡Garrett, John Joseph, Jr. (*Niagara Univ.*). *New Hartford, N. Y.*
Gauchat, Robert David, A.B. 1944 (1947). *Warren, Ohio*
Geschwind, Norman, A.B. 1946 (1947). *Brooklyn, N. Y.*
Ginandes, Shepard Coleman, A.B. 1947. *Neponsit, N. Y.*
Goodrich, Charles Howard, 2d, A.B. (*Princeton Univ.*) 1947. *Hingham*
Gould, John Charles, A.B. 1947. *Fort Wayne, Ind.*
Gravallese, Michael Angelo, Jr., A.B. 1947. *Boston*
Greenbaum, James Kennedy, A.B. (*Princeton Univ.*) 1942. *Kittanning, Pa.*
*Guattery, Joseph Michael, A.B. (*Dartmouth Coll.*) 1948 [Dartmouth Medical School]. *Middletown, N. Y.*
Hayes, David, S.B. 1947. *New Canaan, Conn.*
Haymond, Thomas Arnette, A.B. 1947. *Fairmont, W. Va.*
Haynes, Walter Marion, Jr., S.B. (*Univ. of Florida*) 1947. *Sanford, Fla.*
*Heusinkveld, David William, Jr., A.B. (*Dartmouth Coll.*) 1948 [Dartmouth Medical School]. *Cincinnati, Ohio*
Hiebert, Clement Arthur, A.B. (*Bowdoin Coll.*) 1947. *Lewiston, Maine*
‡Holloman, Jeff Joe, S.B. (*Oklahoma Agricultural and Mechanical Coll.*) 1948. *Frederick, Okla.*
¶ Hoye, Stephen Joseph, A.B. (*Dartmouth Coll.*) 1945, D.M.D. 1949. *East Detroit, Mich.*
Hudson, Bruce Herndon, A.B. (*Oberlin Coll.*) 1947. *Athens, Ohio*
Hutchison, George Barkley, A.B. 1943. *Perry Point, Md.*
Jefferson, Mildred Fay, A.B. (*Texas Coll.*) 1945, S.M. (*Tufts Coll.*) 1947. *Boston*
§Jencks, William Platt (*Harvard Coll.*). *Taos, N. Mex.*
‡Jones, Richard Lee (*Univ. of Southern California*). *Los Angeles, Calif.*
Jones, Wilfred Fuller, Jr., A.B. (*Brown Univ.*) 1943. *South Hadley*
Karlen, William Sidney, A.B. 1947. *Newark, N. J.*
*Kellum, Jesse Blake, S.B. (*Univ. of Mississippi*) 1948 [Univ. of Mississippi Medical School]. *Tupelo, Miss.*
Kiely, Brian, A.B. 1943. *Cincinnati, Ohio*
Kirn, George John, S.B. 1946 (1945). *Council Bluffs, Iowa*
*Kleaveland, Richard Norman (*Iowa State Coll.*) [Northwestern Univ. Medical School]. *Sioux Rapids, Iowa*
Kliewer, David Donald, S.B. (*Wheaton Coll.*) 1939. *Lakeview, Oregon*
Krakauer, Lewis Joseph, A.B. (*Williams Coll.*) 1947. *Brooklyn, N. Y.*
Kushnick, Theodore, S.B. (*Ohio State Univ.*) 1944, S.M. (*ibid.*) 1947. *Brooklyn, N. Y.*

*Labbe, Joseph Paul, S.B. (*Univ. of New Hampshire*) 1947 [Johns Hopkins Univ. School of Medicine]. *Dover, N. H.*
Lacy, William White, S.B. (*Davidson Coll.*) 1947. *Richmond, Va.*
Lamdin, Ezra, A.B. 1947. *Cleveland, Ohio*
§Lohnes, Willard Erwin (*Vanderbilt Univ.* and *State Univ. of Iowa*). *Waterloo, Iowa*
Ludwick, John Philip, A.B. 1947. *Jackson, Mich.*
‡Lyon, Wilbur Harvey, Jr. (*Coll. of Wooster*). *Bombay, India*
Manson, William Gresham, A.B. 1941. *Murfreesboro, Tenn.*
*Marsh, Spinks Hamilton, S.B. (*Duke Univ.*) 1945 [Univ. of North Carolina School of Medicine]. *Monroe, N. C.*
‡Matthews, Homer Burtis (*Grinnell Coll.* and *Univ. of Chicago*). *Chicago, Ill.*
§May, Harold Louis (*Harvard Coll.*). *Poughkeepsie, N. Y.*
*Mayo, Richard Avery, A.B. (*Dartmouth Coll.*) 1948 [Dartmouth Medical School]. *Ballard Vale*
‡McDuffie, Frederic Clement (*Harvard Coll.*). *Andover*
Meadows, Paul McDonnald, A.B. (*State Univ. of Iowa*) 1947. *Siloam Springs, Iowa*
†Moore, Robert Francis (*Boston Univ.*). *Somerville*
Murphey, Bradford Griffin, A.B. 1946. *Denver, Colo.*
Murphy, George Byrd, Jr., A.B. (*Univ. of Virginia*) 1946. *Stephenville, Texas*
*Neely, William Augustus, A.B. (*Univ. of Mississippi*) 1942 [Univ. of Mississippi School of Medicine]. *Banks, Miss.*
Nevis, Arnold Hastings, S.B. (*California Inst. of Technology*) 1947. *Glendale, Calif.*
‡Nielsen, Robert Louis (*Montana State Univ.*). *Missoula, Mont.*
*Norris, Franklin Gray, S.B. (*Duke Univ.*) 1947 [Univ. of North Carolina School of Medicine]. *Asheville, N. C.*
Novick, Alvin, A.B. 1947. *Flushing, N. Y.*
Oates, Robert George, A.B. (*Princeton Univ.*) 1947. *Parkersburg, W. Va.*
Olson, Robert Eugene, A.B. (*Gustavus Adolphus Coll.*) 1938, PH.D. (*St. Louis Univ.*) 1944. *Minneapolis, Minn.*
‡Palladino, Neal Mario (*Union Coll.*). *Bloomfield, N. J.*
Parker, John Eversole, S.B. (*California Inst. of Technology*) 1938. *Pasadena, Calif.*
Peebles, Thomas Chalmers, S.B. 1942. *Boston*
Perrin, George Midwood, A.B. (*Williams Coll.*) 1947. *Wellesley Hills*
¶†Plum, George Elwood (*West Virginia Univ.* and *Univ. of Virginia*), D.M.D. 1949. *Tunnelton, W. Va.*
*Quackenbush, Arthur Charles, A.B. (*Univ. of North Carolina*) 1947 [Univ. of North Carolina School of Medicine]. *Chapel Hill, N. C.*

Reid, Robert Clay, A.B. (*Univ. of Missouri*) 1947. *Peculiar, Mo.*
Reusch, Donald Carlyle, A.B. 1947. *Fort Thomas, Ky.*
Richardson, David Walthall, S.B. (*Davidson Coll.*) 1947. *Richmond, Va.*
§Richter, Tor (*Univ. of Chicago, Univ. of Michigan*, and *Univ. of Minnesota*). *Chicago, Ill.*
Robey, John Stevens, A.B. 1947. *Cambridge*
Roth, Dover, A.B. (*Texas Coll. of Mines and Metallurgy*) 1947. *El Paso, Texas*
Rowe, John Charles, A.B. (*Colgate Univ.*) 1947. *Dunkirk, N. Y.*
Rubinstein, Norman Edward, A.B. (*Univ. of Wisconsin*) 1947. *New York, N. Y.*
¶Schonfeld, Murry David, S.B. (*Ohio State Univ.*) 1944, D.M.D. 1949. *Kew Gardens, Long Island, N. Y.*
Sears, Jane Bowen, A.B. (*Wellesley Coll.*) 1947. *Harrodsburg, Ky.*
Shaffer, Frederick Gaylord, A.B. (*West Virginia Univ.*) 1947. *Nestorville, W. Va.*
*Simpson, William Ford, A.B. (*Univ. of Alabama*) 1947 [Univ. of Alabama Medical School]. *Montgomery, Ala.*
Singh, Madan Mohan, B.SC. (*Patna Univ., India*) 1942, M.SC. (*ibid.*) 1944. *Gaya, India*
Skinner, Alfred Loring, Jr., A.B. 1947. *Needham*
Sluis, Joost, S.B. (*Massachusetts Inst. of Technology*) 1947, S.M. (*ibid.*) 1947. *Modesto, Calif.*
Snow, David Bruce, A.B. 1947. *Manchester, N. H.*
*Stallard, Sam Kane, A.B. (*Univ. of North Carolina*) 1947 [Univ. of North Carolina School of Medicine]. *Gate City, Va.*
Stanford, John, A.B. (*Amherst Coll.*) 1947. *Essex, Conn.*
*Stetson, John Blank (*Univ. of Chicago* and *Univ. of Nebraska*), [Washington Univ. School of Medicine]. *Chicago, Ill.*
Strober, Murray, A.B. (*Columbia Univ.*) 1948. *Brooklyn, N. Y.*
Sult, Elizabeth Hogan, A.B. (*Univ. of California*) 1947. *Stockton, Calif.*
‡Sult, Francis Laurance (*Univ. of Idaho* and *Coll. of Idaho*). *Cascade, Idaho*
Summer, George Kendrick, S.B. (*Univ. of North Carolina*) 1944. *Cherryville, N. C.*
*Tetirick, Jack Elmer, A.B. (*Ohio State Univ.*) 1948 [Ohio State Univ. Coll. of Medicine]. *Columbus, Ohio*
Tisdale, William Allen, S.B. (*Univ. of Florida*) 1947. *Gainsville, Fla.*
Toll, Giles Darwin, A.B. (*Williams Coll.*) 1947. *Denver, Colo.*
‡Tomchick, Frederick Stephen (*Jr. Coll. of Connecticut* and *Univ. of Connecticut*). *Fairfield, Conn.*
*Totherow, William Roy, S.B. (*Univ. of North Carolina*) 1948 [Univ. of North Carolina School of Medicine]. *Asheville, N. C.*
Tully, Bernard Michael, S.B. (*Univ. of Miami*) 1947. *Chicago, Ill.*

Tuttle, Elbert Parr, Jr., A.B. (*Princeton Univ.*) 1942. *Atlanta, Ga.*
Udall, Addison Richard, S.B. (*Brigham Young Univ.*) 1947. *Thatcher, Ariz.*
Vickery, Clement Clifford, A.B. (*Whitman Coll.*) 1946. *Akron, Ohio*
Watson, Paul Louis, A.B. (*Cornell Coll.*) 1947. *Council Bluffs, Iowa*
Weiner, Aaron David, A.B. (*Brooklyn Coll.*) 1940. *Brooklyn, N. Y.*
‡Weiss, Ruth Stern (*Radcliffe Coll.*). *Newton Center*
‡Wheeler, Henry Orson, Jr. (*California Inst. of Technology, Harvard Coll.*, and *Massachusetts Inst. of Technology*). *Los Angeles, Calif.*
Wilmer, Edward Pancoast, A.B. (*Williams Coll.*) 1947. *Granville, N. Y.*
Wingate, James Harmon, S.B. (*Univ. of Washington*) 1947. *Tacoma, Wash.*
*Wiygul, Frank Mitchell, Jr., S.B. (*Univ. of Mississippi*) 1948 [Univ. of Mississippi School of Medicine]. *Shannon, Miss.*
Woodbury, Michael Aime, A.B. 1945 (1949). *Beverly Hills, Calif.*
‡Woodward, George Hartley (*Dartmouth Coll.*). *Weston*
Yaffee, Howard Stanley, A.B. (*Syracuse Univ.*) 1947. *Cambridge*
Yanagi, Glenn Noriyuki, A.B. (*Columbia Univ.*) 1944, A.M. (*Harvard Univ.*) 1945, PH.D. (*ibid.*) 1947. *Honolulu, Hawaii*
Zoglin, Stanton Francis, S.B. 1947. *Kansas City, Mo.*
Zukoski, Charles Fredrick, 3d, A.B. (*Univ. of North Carolina*) 1947. *Mt. Brook, Ala.*

SECOND CLASS

‡Andersen, James Gordon (*Univ. of Colorado*). *Brush, Colo.*
Anderson, Albert Douglas, A.B. (*Columbia Univ.*) 1948. *New York, N. Y.*
Atkins, Harold Lewis, S.B. (*Yale Univ.*) 1948. *Belleville, N. J.*
Bartman, Richard Edward, A.B. (*Wesleyan Univ.*) 1948. *Hartford, Conn.*
Bascom, George Sparhawk, S.B. (*Kansas State Coll.*) 1948. *Manhattan, Kans.*
Berk, James Lawrence, A.B. 1948. *Akron, Ohio*
‡Bernstein, Eugene A. (*Harvard Coll.*). *Los Angeles, Calif.*
Bernstein, James Stuart, A.B. 1949 (1948). *Brooklyn, N. Y.*
Bertles, John Francis, S.B. (*Yale Univ.*) 1945. *Atlanta, Ga.*
Branaman, William Steven, S.B. (*Univ. of Arizona*) 1943. *Florence, Ariz.*
‡Brown, Edwin Wilson, Jr. (*Houghton Coll., Carnegie Inst. of Tech., Amherst Coll.*, and *Univ. of Buffalo*). *Williamsville, N. Y.*

† Admitted on basis of two years' college work.
‡ Admitted on basis of three years' college work.
§ Admitted on basis of four years' college work (in several cases work for degree completed).
° Transferred to second year class.

‡Brown, Frederick Ronald, Jr. (*Bowdoin Coll.* and *McGill Univ.*). *Winchester*
‡Brown, Owen Lester (*Univ. of Kentucky* and *Tulsa Univ.*). *Russell Springs, Ky.*
Bryan, Patricia Coghlan, A.B. (*Trinity Coll.*) 1948. *Atlanta, Ga.*
Buchanan, William Roderick, Jr., A.B. (*Yale Univ.*) 1948. *Athol*
Calladine, Ruth Arlene, S.B. (*Univ. of Chicago*) 1948. *Woodstock, Ill.*
Carlton, Lawrence Sumner, Jr., A.B. 1946 (1948). *Cambridge*
Chiat, Harold, A.B. (*Columbia Univ.*) 1948. *Brooklyn, N. Y.*
‡Clawson, David Kay (*Univ. of Utah*). *Salt Lake City, Utah*
Cochran, William Davis, A.B. 1945 (1948). *Cambridge*
Coleman, Marshall Donald, A.B. 1948. *Utica, N. Y.*
‡Collins, Herschel Douglas (*Univ. of Maine*). *Caribou, Maine*
Conkling, Frederic Everett, 3d, S.B. (*Univ. of Florida*) 1947. *Miami, Fla.*
Constable, John Davidson, A.B. 1947 (1948). *Cambridge*
‡Costanzo, Frank Anthony (*Yale Univ.*). *Lakewood, Ohio*
§Cummings, Rial Wheeler (*Montana State Univ.* and *Carroll Coll.*). *Plains, Mont.*
Curran, William Sheldon, A.B. 1947 (1948). *Brooklyn, N. Y.*
‡Curtin, Richard Reed (*Swarthmore Coll.*). *Webster Springs, W. Va.*
Donovan, James Frederic, A.B. (*Univ. of Maine*) 1948. *Houlton, Maine*
Dowling, James Thomas, S.B. (*Univ. of Washington*) 1948. *Seattle, Wash.*
Drewry, Garth Richard, S.B. (*Yale Univ.*) 1948. *Springfield*
‡Dudley, Hugh Robert, Jr. (*Harvard Coll.*). *Huntington, W. Va.*
Efron, Robert, A.B. (*Columbia Univ.*) 1948. *Elmhurst, Long Island, N. Y.*
Fornshell, Robert Pearce, A.B. 1947 (1948). *Kent, Ohio*
‡Gianelli, Stanley, Jr. (*Yale Univ.*). *West Haven, Conn.*
Grinker, Roy Richard, Jr., PH.B. (*Univ. of Chicago*) 1947. *Chicago, Ill.*
Grunebaum, Henry Ulmann, A.B. 1948. *Scarsdale, N. Y.*
‡Guntheroth, Warren Gaden (*Harvard Univ.*). *Tulsa, Okla.*
Hancock, Ernest William, A.B. (*Univ. of Nebraska*) 1948. *Lincoln, Nebr.*
‡Hinshaw, Horton Corwin, Jr. (*Carleton Coll.* and *Univ. of Minnesota*). *San Francisco, Calif.*
Hobart, Kent Haessler, A.B. (*Univ. of Illinois*) 1948. *Champaign, Ill.*
Hubon, Mollie Jean, A.B. (*Wellesley Coll.*) 1948. *Brooklyn, N. Y.*
Huggins, Charles Edward, PH.B. (*Univ. of Chicago*) 1947. *Chicago, Ill.*
Johnson, Thomas William, S.B. (*Univ. of Washington*) 1948. *Spokane, Wash.*
Jurkiewicz, Maurice John, D.D.S. (*Univ. of Maryland*) 1946. *Bellows Falls, Vt.*
°Kaplan, Melvin H, A.B. 1943. *Dorchester*
‡Keith, Laurel Eugene, S.B. (*Univ. of Michigan*) 1948. *Cassopolis, Mich.*

‡Kent, Stanley Webber (*Univ. of Colorado*). *Buena Vista, Colo.*
King, Merrill Jenks, A.B. (*Hamilton Coll.*) 1948. *Wellesley Hills*
‡Klee, Gerald D'Arcy (*McGill Univ.* and *Princeton Univ.*). *Brooklyn, N. Y.*
‡Kraus, William Ludwig (*St. Stephan Coll., Munich Univ.*, and *Harvard Coll.*). *New Rochelle, N. Y.*
Lamdin, Susanne Ehrentheil, A.B. (*Radcliffe Coll.*) 1948. *Boston*
Lance, Kendrick Paige, A.B. (*Princeton Univ.*) 1948. *Rahway, N. J.*
Lefemine, Armand Angelo, S.B. (*Coll. of the Holy Cross*) 1948. *Windsor Locks, Conn.*
Leman, Craig Billings, A.B. (*Univ. of Chicago*) 1946. *Chicago, Ill.*
Lichtenstein, Robert, PH.B. (*Univ. of Chicago*) 1947. *Chicago, Ill.*
Loesch, John George, A.B. (*Princeton Univ.*) 1948. *Westfield, N. J.*
Loop, John Wickwire, S.B. (*Univ. of Wyoming*) 1948. *Belvidere, Ill.*
‡Luessenhop, Alfred John (*Yale Univ.*). *Westfield, N. J.*
Lundborg, Bradford Wellington, A.B. (*Stanford Univ.*) 1948. *Atherton, Calif.*
‡MacDonald, Donald Paul (*Harvard Univ.*). *Cambridge*
Malcolm, John Alfred, A.B. 1948. *Bronxville, N. Y.*
Martin, John Joseph, S.B. (*Univ. of Massachusetts*) 1948. *Adams*
‡Merkley, Ralph G. (*Univ. of Utah*). *Salt Lake City, Utah*
Mero, Kathleen, A.B. (*Barnard Coll.*) 1948. *New York, N. Y.*
Michener, David Paul, A.B. (*Antioch Coll.*) 1948. *Yellow Springs, Ohio*
Moersch, Richard Norval, A.B. (*Dartmouth Coll.*) 1948. *Rochester, Minn.*
Mogul, Samuel Louis, A.B. 1949 (1948). *Atlanta, Ga.*
Moore, Robert Francis, A.B. (*Pomona Coll.*) 1940, S.M. (*Univ. of Alabama*) 1948. *San Diego, Calif.*
Morgan, William Lionel, Jr., A.B. (*Yale Univ.*) 1948. *Honolulu, Hawaii*
‡Murphy, James William (*Harvard Univ.*). *Rhinebeck, N. Y.*
Myers, Joseph Henry, A.B. (*Hiram Coll.*) 1948. *Cleveland, Ohio*
‡Neher, Frederick James (*Coll. of Puget Sound* and *Harvard Coll.*). *St. Paul, Minn.*
Ottenberg, Bernard Perry, A.B. 1948. *Philadelphia, Pa.*
Palubinskas, Alphonse John Bernard, S.B. (*Oberlin Coll.*) 1948. *Lowell*
‡Pauling, Linus Carl, Jr. (*Univ. of California, Pasadena Jr. Coll.* and *Pomona Coll.*). *Pasadena, Calif.*
Pierce, Chester Middlebrook, A.B. 1948. *Glen Cove, N. Y.*
Pittman, James Allen, Jr., S.B. (*Davidson Coll.*) 1948. *Orlando, Fla.*
Potter, Robert Tillinghast, A.B. 1946 (1948). *New York, N. Y.*
Rachlin, William Selig, S.B. (*Princeton Univ.*) 1948. *New Britain, Conn.*
Radebaugh, John Franklin, Jr., S.B. (*Bates Coll.*) 1948. *Springfield*
Rasmussen, Howard, A.B. (*Gettysburg Coll.*) 1948. *Washington, D. C.*

Reese, Jack Wheeling, S.B. (*Massachusetts Inst. of Technology*) 1943. *Ebensberg, Pa.*
‡Reichard, John Francis (*Princeton Univ.* and *Harvard Coll.*). *New York, N. Y.*
Rigler, Stanley Paul, A.B. (*Univ. of Minnesota*) 1948. *St. Paul, Minn.*
Rinaldo, Joseph Anthony, Jr., S.B. 1946 (1948). *Cambridge*
Rosa-Perez, Cesar Emilio, S.B. (*Univ. of Puerto Rico*) 1948. *Rio Piedras, Puerto Rico*
Royaltey, Harold Hodge, Jr., A.B. (*Univ. of Arizona*) 1948 (1949). *Tucson, Arizona*
Rubinstein, Jack Herbert, A.B. (*Columbia Univ.*) 1947. *New York, N. Y.*
‡Ryan, Kenneth John (*Williams Coll.* and *Northwestern Univ.*). *Savana, Ill.*
Salisbury, Arthur John, S.B. (*Yale Univ.*) 1948. *North Platte, Nebr.*
Samelson, Leo, PH.B. (*Univ. of Chicago*) 1948. *Chicago, Ill.*
Segal, Stanton, A.B. (*Princeton Univ.*) 1948. *Camden, N. J.*
Senft, Alfred, A.B. (*Univ. of California*) 1948. *Billings, Mont.*
Shapiro, Paul Bamberger, A.B. (*Williams Coll.*) 1948. *Paterson, U. J.*
‡Sharp, Robert Farnsworth (*Pennsylvania State Coll.* and *Univ. of Utah*). *Salt Lake City, Utah*
Shillito, John, Jr., A.B. 1945 (1947). *Chestnut Hill*
Smith, William Frederick, S.B. (*Western Reserve Univ.*) 1948. *Cleveland, Ohio*
Sturtevant, Vaughan Raymond, A.B. (*Univ. of Maine*) 1947. *Livermore Falls, Maine*
Taber, Ben-Zion, A.B. (*Brown Univ.*) 1948. *Providence, R. I.*
‡Teel, Peter (*Montana State Univ.* and *American Univ. of Beirut*). *Polson, Mont.*
Thomas, John Barry, S.B. (*Yale Univ.*) 1948. *Hartford, Conn.*
‡Thorlakson, Neil Frederick (*Univ. of Washington*). *Seattle, Wash.*
Twitchell, Dorothy, A.B. (*Univ. of California*) 1948. *Owatonna, Minn.*
‡Vanderveen, James Leo (*Vanderbilt Univ.*). *Orlando, Fla.*
Watkins, Lee Clifford, Jr., S.B. 1948. *Savannah, Ga.*
Webster, Henry deForest, A.B. (*Amherst Coll.*) 1948. *Bedford Hills, N. Y.*
‡Wheeler, Hewitt Brownell (*Vanderbilt Univ.*). *Nashville, Tenn.*
White, Arthur Clinton, S.B. (*Univ. of Kentucky*) 1947. *Williamsburg, Ky.*
‡Wilber, Joseph Anthony (*St. Bonaventure Coll.* and *Boston Coll.*). *Jamaica Plain*
Wilson, Lewis Grant, A.B. 1948. *Pasadena, Calif.*

FIRST CLASS

Adelstein, Stanley James, S.B. (*Massachusetts Inst. of Technology*) 1949, S.M. (*ibid.*) 1949. *New York, N. Y.*
Andrews, Richard Phillips, S.B. (*Denison Univ.*) 1949. *Dayton, Ohio*
‡Andrus, William Wyman (*Montana State Univ.*). *Missoula, Mont.*
#Arvidson, Rolf, A.B. (*Grinnell Coll.*) 1948. *Holmestrand, Norway*
Barker, Walter Lee, S.B. 1949. *Chicago, Ill.*
Bauer, Charles Henry, A.B. (*Columbia Univ.*) 1949. *New York, N. Y.*
Bikoff, Phyllis Mae, A.B. (*Mount Holyoke Coll.*) 1949. *Brooklyn, N. Y.*
Bromberg, Philip Allan, S.B. (*Queens Coll.*) 1949. *Queens Village, N. Y.*
Cadigan, John Bertrand, Jr., A.B. 1949. *Dorchester*
Carter, Edwin Lee, A.B. (*Washington and Jefferson Coll.*) 1949. *Wellsburg, W. Va.*
‡Chesnut, Roy William, Jr. (*Harvard Coll.*). *Upper Montclair, N. J.*
Clark, John Gordon, Jr., A.B. (*Macalester Coll.*) 1949. *Rockville, Minn.*
Coggs, Granville Coleridge, S.B. (*Univ. of Nebraska*) 1949. *Little Rock, Ark.*
Cohen, Nathaniel, A.B. 1949. *East Boston*
Cohn, Zanvil Alexander, S.B. (*Bates Coll.*) 1948. *Amityville, Long Island, N. Y.*
Coley, Geoffrey Macdonell, A.B. (*Yale Univ.*) 1949. *Sharon, Conn.*
Colombo, Frank Vincent, A.B. 1949. *Everett*
Coulson, Walter, A.B. 1949. *Lawrence*
Crisp, Norman William, Jr., A.B. (*Dartmouth Coll.*) 1949. *Nashua, N. H.*
Davidoff, Helen Ordway, A.B. (*Radcliffe Coll.*) 1949. *New Canaan, Conn.*
‡Ditmore, Harry Boaz, Jr. (*Vanderbilt Univ.*). *Marshall, N. C.*
Dolan, Thomas Francis, Jr., A.B. 1949. *Arlington*
Drvaric, Emil Joseph, S.B. 1949. *Milwaukee, Wis.*
Earle, Arthur Scott, A.B. 1948. *Cambridge*
Eaton, David Ayers, A.B. (*Amherst Coll.*) 1949. *Woonsocket, R. I.*
Eisenman, George, A.B. 1949. *New York, N. Y.*
Erwin, Joseph Crowder, A.B. (*Wofford Coll.*) 1949. *Rutherfordton, N. C.*
Feder, Ned, A.B. 1948, A.M. 1949. *New York, N. Y.*
Federman, Daniel David, A.B. 1949. *New York, N. Y.*
Ferejohn, George Arthur, A.B. (*Cornell Univ.*) 1949. *New York, N. Y.*
Ferguson, Edward Loring, A.B. (*Wesleyan Univ.*) 1949. *Holyoke*
Ficarra, Virgil Frank, S.B. (*Massachusetts Inst. of Technology*) 1949. *Brooklyn, N. Y.*

† Admitted on basis of two years' college work.
‡ Admitted on basis of three years' college work.
§ Admitted on basis of four years' college work (in several cases work for the degree completed).
# Reentered, January 30, 1950.

†Fletcher, Robert Glenn (*Univ. of Illinois*). *Elgin, Ill.*
†Fordham, Henry Clendenin (*Univ. of North Carolina*). *Greensboro, N. C.*
Forrester, James Waldrip, S.B. (*United States Naval Academy*) 1944. *Greenville, S. C.*
Frazier, Howard Stanley, PH.B. (*Univ. of Chicago*) 1947. *Champaign, Ill.*
‡Gelfand, Mathew Israel (*Wesleyan Univ.*). *Hartford, Conn.*
Goldman, Arthur George, A.B. (*Boston Coll.*) 1949. *Mattapan*
Gray, David Henry, A.B. (*Princeton Univ.*) 1949. *New Canaan, Conn.*
Haddon, William, S.B. (*Massachusetts Inst. of Technology*) 1949. *Boston*
Hadley, William Brown, A.B. (*Brown Univ.*) 1949. *Canton, Ohio*
Halley, Max Martin, A.B. 1949. *Olean, N. Y.*
Hansen, Frederik Christian, Jr., S.B. (*Coll. of Puget Sound*) 1949. *Tacoma, Wash.*
§Harper, George Lacy (*Univ. of Arizona*). *Tucson, Ariz.*
Harter, John Gamble, A.B. (*Ohio State Univ.*) 1949. *Columbus, Ohio*
Hoskins, Robert Graham, A.B. (*Haverford Coll.*) 1949. *Waban*
Hotchkiss, John Ellsworth, Jr., A.B. (*Yale Univ.*) 1949. *Wallingford, Conn.*
‡Hughes, Calvin Thomas, Jr. (*Yale Univ.*). *Cheshire, Conn.*
†Hughes, Richard Elmer (*Harvard Coll.*). *East Orange, N. J.*
Ito, Tomiko, A.B. (*Radcliffe Coll.*) 1949. *Riverside, Calif.*
Kahn, Alvin, A.B. 1949. *Upper Montclair, N. J.*
Kaitz, Alan Lewis, A.B. 1948. *Chelsea*
Karmason, Marilyn Gloria, A.B. (*Barnard Coll.*) 1949. *New York, N. Y.*
Katz, Jay Harris, A.B. (*Columbia Univ.*) 1948. *New York, N. Y.*
Katzman, Robert, S.B. (*Univ. of Chicago*) 1949. *Denver, Colo.*
‡Keith, Thomas Arbuthnot, 3d (*Univ. of Cincinnati*). *Maysville, Ky.*
Kinsolving, Charles McIlvaine, Jr., A.B. (*Univ. of Pennsylvania*) 1949. *New York, N. Y.*
‡Kinter, William Boardman (*Swarthmore Coll.*). *Pittsford, Vt.*
Kitay, Julian Israel, A.B. (*Princeton Univ.*) 1949. *Kearny, N. J.*
Kliman, Gilbert Wallace, A.B. (*Univ. of Cincinnati*) 1949. *Cincinnati, Ohio*
‡Kraut, Herbert Leon (*Columbia Univ.*). *Brooklyn, N. Y.*
Kuhl, Nevin Edson, A.B. (*Kenyon Coll.*) 1947. *Dayton, Ohio*
Lampros, George William, S.B. (*Tufts Coll.*) 1949. *Pawtucket, R. I.*
Leiderman, Philip Herbert, Jr., S.M. (*California Inst. of Technology*) 1949, A.M. (*Univ. of Chicago*) 1949. *Chicago, Ill.*
Levinson, Gilbert Elliot, A.B. (*Yale Univ.*) 1948, A.M. (*ibid.*) 1949. *Bayonne, N. J.*
Levy, Allan Henry, A.B. (*Columbia Univ.*) 1949. *New York, N. Y.*
‡Lewis, Charles Edwin (*Univ. of Kansas* and *Kansas City Junior Coll.*). *Kansas City, Mo.*

Loewenstein, Fred, S.B. (*Yale Univ.*) 1949. *Binghamton, N. Y.*
Louria, Donald Bruce, A.B. 1949. *Brooklyn, N. Y.*
Low, Iolanda Einstein, A.B. (*Stanford Univ.*) 1947. *Forest Hills, N. Y.*
Luck, David Jonathan Lewis, S.B. (*Univ. of Chicago*) 1949. *Milwaukee, Wis.*
Malaret, Germán Emilio, S.B. 1949. *Rio Piedras, Puerto Rico*
Mannick, John Anthony, A.B. 1949. *Sunnyside, Wash.*
Martin, Christopher Michael, A.B. 1949. *Jackson Heights, N. Y.*
Masters, Richard, A.B. 1949. *Chelsea*
Mautner, Willy, A.B. (*Birmingham-Southern Coll.*) 1949. *Birmingham, Ala.*
Medearis, Donald Norman, Jr., A.B. (*Univ. of Kansas*) 1949. *Kansas City, Kans.*
Miller, David, S.B. (*Coll. of the City of New York*) 1949. *New York, N. Y.*
Moss, Maurice, A.B. (*Western Reserve Univ.*) 1949. *Cleveland Heights, Ohio*
Mudd, Stuart Harvey, S.B. 1949. *Haverford, Pa.*
Nathanson, Neal, A.B. 1949. *Cambridge*
Nesbet, John David (*Kenyon Coll.*), A.B. 1949. *Lakewood, Ohio*
Orski, Barbara Maria, A.B. (*Hunter Coll.*) 1949. *Long Island City, N. Y.*
Pentlarge, Victor Howard, A.B. 1949. *Belgrade Lakes, Maine*
Peters, James Ingram, Jr., A.B. (*Princeton Univ.*) 1949. *Meridian, Miss.*
Powell, Virginia Elizabeth, A.B. (*Goucher Coll.*) 1949. *Needham*
‡Pruett, Harry Jeroam, Jr. (*Stanford Univ.*). *San Francisco, Calif.*
Purpura, Dominick Paul, A.B. (*Columbia Univ.*) 1949. *Long Island City, N. Y.*
Rinsley, Donald Brendan, A.B. 1949. *St. Albans, Long Island, N. Y.*
Robertson, George Duncan, A.B. (*Princeton Univ.*) 1949. *Sierra Madre, Calif.*
§Roh, Joseph (*Charles Univ* and *Manhattan Coll.*). *New York, N. Y.*
†Romanul, Flaviu Cornel Alexandru (*Univ. of Cincinnati*). *New York, N. Y.*
Rosenkrantz, Jens Georg, A.B. (*Yale Univ.*) 1949. *Cincinnati, Ohio*
‡Rothbell, Earle Norris (*Cornell Univ.*). *Brooklyn, N. Y.*
Rothberg, Harvey Daniel, Jr., A.B. (*Princeton Univ.*) 1949. *Plainfield, N. J.*
Sacci, John Bonaventure, A.B. (*West Virginia Univ.*) 1949. *Fairmont, W. Va.*
Sicular, Arthur, A.B. 1949 (1948). *New York, N. Y.*
Sidman, Richard Leon, A.B. 1949 (1948). *Mattapan*
‡Simon, Harold Joachim (*Univ. of California*). *San Francisco, Calif.*
Snodgrass, Philip James, A.B. 1949. *Madison, Wis.*
Starr, Jason Leonard, A.B. 1949, A.M. 1949. *Mattapan*
Temby, William Davenport, A.B. 1949. *Wellesley*

‡Thompson, Thomas Nels, Jr. (*Whitworth Coll.*). *LaCrosse, Wis.*
‡Timmons, Robert Lansing (*Yale Univ.*). *Tarrytown, N. Y.*
Triedman, Leonard Jason, A.B. (*Brown Univ.*) 1949. *Pawtucket, R. I.*
Wallach, Donald Francis, S.B. (*Yale Univ.*) 1949. *New York, N. Y.*
Weiner, Norman, S.B. (*Univ. of Michigan*) 1949. *Rochester, N. Y.*
‡Whitcomb, John Howard (*Oberlin Coll.*). *Byron, Minn.*
Wolff, Jan, A.B. (*Univ. of California*) 1945, A.M. (*ibid.*) 1946, PH.D. (*ibid.*) 1949. *San Anselmo, Calif.*
Wysham, Donald Norris, A.B. (*Princeton Univ.*) 1949. *Summit, N. J.*
Yahia, Clement, B.B.A. (*Coll. of the City of New York*) 1947. *Brooklyn, N. Y.*
Zangwill, Donald Penn, S.B. (*Univ. of Pittsburgh*) 1948. *Pittsburgh, Pa.*

SUMMARY

Fourth Year	132
Third Year	147
Second Year	111
First Year	112
Total	502

COLLEGES REPRESENTED

1949–1950

Alabama, University of	3
Allegheny College	2
American University of Beirut	2
Amherst College	4
Antioch College	1
Arizona, University of	4
Arkansas, University of	1
Barnard College	3
Bates College	2
Belgrade, University of (Yugoslavia)	1
Beloit College	1
Birmingham-Southern College	1
Boston College	3
Boston University	2
Bowdoin College	4
Brigham Young University	1
Brooklyn College	1
Brown University	7
Bryn Mawr College	1
Buffalo, University of	1
California Institute of Technology	6
California, University of	14
Cambridge Jr. College	1
Carleton College	1
Carnegie Institute of Technology	1
Carroll College	1
Charles University (Czechoslovakia)	1
Chicago, University of	15
Cincinnati, University of	3
Colgate University	1
College of Idaho	1
College of Mines and Metallurgy	1
College of the City of New York	2
College of the Holy Cross	3
College of Puget Sound	2
College of William and Mary	1
College of Wooster	1
Colorado College	1
Colorado, University of	3
Columbia University	12
Connecticut, Junior College of	1
Connecticut, University of	1
Cornell College	2
Cornell University	4
Dartmouth College	22
Davidson College	4
Denison University	1
DePauw University	1
Duke University	3
Emory University	1
Florida, University of	6
George Washington University	1
Gettysburg College	1
Gonzaga University	1
Goucher College	1
Grinnell College	2
Guatemala, University of	1
Guilford College	1
Gustavus Adolphus College	1
Hamilton College	1
Harvard University	123
Haverford College	3
Hiram College	1
Houghton College	1
Hunter College	2
Idaho, University of	2
Illinois, University of	6
Indiana University	1
Iowa State College	1
Iowa, State University of	2
John Carroll University	1
Johns Hopkins University	4
Kansas City Junior College	1
Kansas State College	2
Kansas, University of	3
Kentucky, University of	2
Kenyon College	2
Louisiana Polytechnic Institute	1
Macalaster College	1
Maine, University of	3
Manhattan College	1
Maryland, University of	1
Massachusetts Institute of Technology	7
Massachusetts, University of	1
McGill University	2
Mesa Junior College	1
Miami, University of	2
Michigan State College	2
Michigan, University of	5
Middlebury College	1
Minnesota, University of	5
Mississippi State College	1
Mississippi, University of	4
Missouri, University of	3
Montana State University	4
Mount Holyoke College	1
Mount Union College	1
Munich, University of (Germany)	1
Nebraska, University of	3
New Hampshire, University of	1
New York State College	1
New York University	2
Niagara University	1
North Carolina, University of	14
Northwestern University	1
Oberlin College	4
Ohio State University	6
Oklahoma Agricultural and Mechanical College	1
Oklahoma, University of	1
Oregon State College	1
Pasadena Junior College	1
Patna University (India)	1
Pennsylvania State College	2
Pennsylvania, University of	3
Pittsburgh, University of	3
Pomona College	2
Princeton University	19
Puerto Rico, University of	2
Purdue University	3
Queens College	1
Radcliffe College	5
River Falls State Teachers College	1
Rochester, University of	1
St. Bonaventure College	1
St. John's University	1
St. Louis University	1
St. Stephan College (Germany)	1
Simmons College	1
South Dakota School of Mines	1

Southern California, University of	1
Stanford University	6
Swarthmore College	2
Syracuse, University of	1
Tennessee, University of	1
Texas Christian University	2
Texas College	1
Texas, University of	1
Toronto, University of	1
Trinity College (D.C.)	1
Tufts College	7
Tulsa, University of	1
Union College	1
United States Naval Academy	2
Utah, University of	3
Vanderbilt University	4
Vermont, University of	2
Virginia Polytechnic Institute	1
Virginia, University of	4
Washington and Jefferson College	1
Washington, State College of	1
Washington University	2
Washington, University of	8
Wellesley College	2
Wesleyan University	4
Western Reserve University	3
West Virginia University	3
Wheaton College (Illinois)	1
Whitman College	1
Whitworth College	1
Williams College	8
Wisconsin, University of	4
Wofford College	1
Wyoming, University of	1
Yale University	25
Youngstown College	1
Total	572
Names counted more than once	70
Total number of students	502
Entered advanced standing	66
Number of colleges represented	165
Number of college graduates	386
Number of non-graduates	116

MEDICAL SCHOOLS REPRESENTED BY MEN WHO ENTERED SCHOOL WITH ADVANCED STANDING

Alabama, Medical College of	2
Colorado, University of	1
Columbia University	1
Dartmouth College	15
Harvard School of Dental Medicine	14
Illinois, University of	1
Indiana, University of	1
Johns Hopkins University	1
Minnesota, University of	2
Mississippi, University of	5
Nebraska, University of	1
North Carolina, University of	13
Northwestern University	1
Ohio State Medical	1
Southern California, University of	1
Stanford University	2
Virginia, University of	1
Washington University	1
Wayne University	1
Yale University	1
Total	66
Total number of men admitted to first year standing	436
Total	502

SCHOOL OF DENTAL MEDICINE

On June 23, 1949, Ten Degrees were Conferred as Follows:

D.M.D.

Ammenwerth, Benjamin Kenneth.
Bikoff, David Marvin, S.B. (*Univ. of Michigan*) 1945.
Bryan, James Elliot, A.B. (*Wesleyan Univ.*) 1946.
Ehrlich, Harold Louis.
Hoye, Stephen Joseph, A.B. (*Dartmouth Coll.*) 1945.
Hutto, James Foy.
Plum, George Elwood.
Schonfeld, Murry David, S.B. (*Ohio State Univ.*) 1944.
Sills, Robert Allen, A.B. (*Univ. of Illinois*) 1941, S.B. (*ibid.*) 1942, M.D. (*ibid.*) 1944.
Winnard, Keith Edwin, B.A. (*Univ. of Vienna*) 1934.

1949–1950

FOURTH CLASS

Boyers, Charles Leslie, Jr., A.B. (*Marietta Coll.*) 1941. *Parkersburg, W. Va.*
Butler, Richard Lundy, A.B. (*Coe Coll.*) 1947. *Eldora, Iowa*
Christman, George, S.B. 1944, S.B. (*New York Univ.*) 1946. *Belmont*
‡Feldman, Merrill Irving (*Univ. of New Hampshire* and *Harvard Coll.*). *Brighton*
Kite, Owen William, A.B. 1942. *Trenton, N. J.*
Lorber, Mortimer, S.B. (*New York Univ.*) 1945. *New York, N. Y.*
‡Reilly, Philip Augustus, Jr. (*Harvard Coll.*). *Catskill, N. Y.*
‖Sognnaes, Reidar Fauske, A.B. (*Univ. of Oslo*) 1931, CAND.MED.DENT. (*Univ. of Leipzig*) 1932, L.D.S. (*Univ. of Oslo*) 1936, S.M. (*Univ. of Rochester*) 1941, PH.D. (*ibid.*) 1941. *Arlington*
†Sowles, James Austin (*Bowdoin Coll.*). *Wellesley Hills*
*Washburn, Wesley Wallace, Jr., A.B. (*Amherst Coll.*) 1945, [M.D. *Long Island Coll. of Medicine* 1948]. *Brooklyn, N. Y.*
West, Alvin Irvin, A.B. (*New York Univ.*) 1946. *New York, N. Y.*

THIRD CLASS

*Atwood, Douglas Allen, A.B. (*Amherst Coll.*) 1945, M.D. (*Harvard Univ.*) 1946. *West Roxbury*
†Bland, George Ballard (*Univ. of Arizona*). *Tucson, Ariz.*

† Admitted on basis of two years' college work.
‡ Admitted on basis of three years' college work.
* Transferred to third year class.
‖ Transferred to fourth year class.

†Chastanet, Alan Arthur (*Howard Univ.*). *St. Lucia, B.W.I.*
Curtin, Victor Thomas, A.B. 1947. *Methuen*
‡Farrell, David Joseph (*Tufts Coll.* and *Harvard Coll.*). *Watertown*
Farrell, John Frederick, A.B. (*Indiana Univ.*) 1947. *Washington, D. C.*
Helfand, Zolman, S.B. (*Tufts Coll.*) 1947. *Milford*
†Jones, Thomas London, Jr. (*Univ. of Vermont* and *Washington Univ.*). *Detroit, Mich.*
Lucas, Jason Edward, A.B. 1947. *Boston*
Rohde, Karl Lee, Jr., S.B. 1947. *Cambridge*
Schwartz, Abraham, A.B. (*Brown Univ.*) 1941. *Providence, R. I.*
*Siegel, Elliott Joseph [M.D. *Univ. of Toronto* 1944]. *Hamilton, Ont., Canada*
†Theus, Walter Wyman (*Univ. of South Carolina*). *Estill, S. C.*

SECOND CLASS

Berman, Herbert, B.S.E. (*Univ. of Michigan*) 1943. *Union, N. J.*
Boyett, James Edward, A.B. (*Univ. of Tennessee*) 1948. *Waycross, Ga.*
Donovan, William Charles, A.B. (*Williams Coll.*) 1943. *Norwood*
Hinson, Harry Lee, S.B. (*Wake Forest Coll.*) 1942. *Charlotte, N. C.*
‡Jacobs, Bernard (*Syracuse Univ.*). *Syracuse, N. Y.*
Lasher, Clarence Kenneth, S.B. (*Union Coll.*) 1942. *East Greenbush, N. Y.*
‡Lincoln, Robert Carling (*Columbia Coll.*). *South River, N. J.*
†Malone, Robert Paul (*Tufts Coll.*). *Arlington*
Pincus, Ernest Stanford, S.B. (*Union Coll.*) 1948. *Long Beach, N. Y.*
Rothblatt, Julian Maurice, A.B. 1948. *Brookline*
Ryan, James Patrick, S.B. (*Hobart Coll.*) 1948. *Mechanicville, N. Y.*
Samaha, Emile Charles Abdelnour, S.B. (*Univ. of New Hampshire*) 1946. *Portsmouth, N. H.*
Ship, Arthur George, A.B. (*New York Univ.*) 1947. *New York, N. Y.*
†Stemmer, August Ludwig (*Miami Univ.*). *Hamilton, Ohio*

FIRST CLASS

Adams, Ernest Eugene, S.B. (*Univ. of Maine*) 1938. *Brewer, Maine*
‡Albert, Joseph (*Boston Univ.*). *Dorchester*
Cianciolo, Joseph Frank, S.B. (*Univ. of Notre Dame*) 1948. *Medford*
Greenberg, Harold Lester, S.B. (*Univ. of Massachusetts*) 1948. *Brookline*
‡Harris, Alvin Herbert (*Harvard Univ.*). *Brooklyn, N. Y.*
Kaye, Bernard Louis, A.B. (*Yale Univ.*) 1949. *New Haven, Conn.*
Liebman, Jerome, A.B. (*Univ. of Pennsylvania*) 1949. *Brooklyn, N. Y.*
Robison, Ray Benton, A.B. 1949. *Bennus Point, N. Y.*
Seiler, Arthur Louis, S.B. (*Univ. of Wisconsin*) 1948, S.M. (*ibid.*) 1949. *Brooklyn, N. Y.*

Sperber, Robert Jack, S.B. (*Univ. of Wisconsin*) 1948, S.M. (*ibid.*) 1949. *New York, N. Y.*

Stein, Robert John, S.B. (*Univ. of Florida*) 1949. *St. Petersburg, Fla.*

Taira, Tom Keizo, A.B. (*Univ. of Wisconsin*) 1948, A.M. (*ibid.*) 1949. *Honolulu, Hawaii*

Tanz, Ralph David, A.B. (*Univ. of Rochester*) 1948. *New Rochelle, N. Y.*

‡Walker, Jerome Kenneth (*Univ. of Wisconsin* and *Marquette Univ.*). *Milwaukee, Wis.*

SUMMARY

Fourth Class	11
Third Class	13
Second Class	14
First Class	14
Total	52

COLLEGES REPRESENTED

Amherst College	2
Arizona, University of	1
Boston University	1
Bowdoin College	1
Brown University	1
Coe College	1
Columbia University	1
Florida, University of	1
Harvard University	11
Hobart College	1
Howard University	1
Indiana University	1
Leipzig, University of (Germany)	1
Maine, University of	1
Marietta College	1
Marquette University	1
Massachusetts, University of	1
Miami University (Ohio)	1
Michigan, University of	1
New Hampshire, University of	2
New York University	4
Notre Dame, University of	1
Oslo, University of (Norway)	1
Pennsylvania, University of	1
Rochester, University of	2
South Carolina, University of	1
Syracuse University	1
Tennessee, University of	1
Tufts College	3
Union College	2
Vermont, University of	1
Wake Forest College	1
Washington University	1
Williams College	1
Wisconsin, University of	4
Yale University	1
	58
Counted more than once	6
Total	52

MEDICAL SCHOOLS REPRESENTED

Long Island College of Medicine	1
Harvard University	1
Toronto, University of	1
	3

DENTAL SCHOOLS REPRESENTED

Oslo, University of (Norway)	1
	1
Entered advanced standing	4
Number of colleges represented	38
Number of medical schools represented	3
Number of dental schools represented	1
Number of college graduates	37
Number of non-graduates	15

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